END USER LICENSE AGREEMENT

IMPORTANT—READ CAREFULLY: This End-User License Agreement ("EULA") is a legal agreement between you and Siemens Industry, Inc. from which you obtained limited nonexclusive rights to use the FIELD PANEL GO Firmware Product. By installing, receiving, implementing or otherwise using the Siemens Industry, Inc. FIELD PANEL GO Firmware Product, you agree to be bound by the terms of this EULA. If you do not agree with the terms, Siemens Industry, Inc. is unwilling to license the FIELD PANEL GO Firmware Product to you. In such event, you should promptly contact Siemens Industry, Inc. for instructions on return of the FIELD PANEL GO Firmware Product.

Siemens Industry, Inc. provides this FIELD PANEL GO Firmware Product and licenses its use by the terms herein. You assume responsibility for the selection of the FIELD PANEL GO Firmware Product to achieve your intended results.

GRANT OF LICENSE.

- If the FIELD PANEL GO Firmware Product was obtained by you for use on a single machine, then you may only install the FIELD PANEL GO Firmware Product on a single machine at any one time.

- If you obtained functionalities from Siemens Industry, Inc. that permit networked use of the FIELD PANEL GO Firmware Product, you may only install the FIELD PANEL GO Firmware Product over an internal network for use, at any one time, by the number of active concurrent users for which you obtained an EULA.

- You may not sublicense, assign or transfer the EULA or the FIELD PANEL GO Firmware Product. Any attempt to sublicense, assign or transfer any of the rights, duties or obligations hereunder is void.

- YOU MAY NOT OTHERWISE COPY, DISTRIBUTE OR TRANSFER THE FIELD PANEL GO FIRMWARE PRODUCT.

- IF YOU TRANSFER POSSESSION OF ANY COMPLETE COPY OR PORTION OF THE FIELD PANEL GO FIRMWARE PRODUCT TO ANOTHER PARTY, WITHOUT THE EXPRESS WRITTEN CONSENT OF SIEMENS BUILDING TECHNOLOGIES, INC, YOUR LICENSE IS AUTOMATICALLY TERMINATED. YOU RECOGNIZE THAT SUCH TERMINATION IS NOT A COMPLETE REMEDY AND SIEMENS INDUSTRY, INC. IS ENTITLED TO SEEK FURTHER RELIEF SHOULD YOU VIOLATE THIS EULA.

REVERSE ENGINEERING, DISASSEMBLY.

You are prohibited from reverse engineering, disassembling, decompiling, or decoding the object code provided to you, or otherwise translating the object code for the FIELD PANEL GO Firmware Product, or permitting any third party to do the same. You recognize that your rights to use the FIELD PANEL GO Firmware are strictly limited to use of the code in the object form as provided to you by Siemens Industry, Inc. pursuant to this EULA.

TERM.

The EULA is effective until terminated. You may terminate it at any time by destroying the FIELD PANEL GO Firmware Product together with all copies in any form. It will also terminate upon conditions set forth elsewhere in the EULA or if you fail to comply with any term or condition of this EULA. You agree upon such termination to destroy the FIELD PANEL GO Firmware Product together with all copies.

LIMITED WARRANTY.
THE FIELD PANEL GO FIRMWARE PRODUCT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE FIELD PANEL GO FIRMWARE PRODUCT IS WITH YOU. SHOULD THE FIELD PANEL GO FIRMWARE PRODUCT PROVE DEFECTIVE, YOU ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

Siemens Industry, Inc. does not warrant the functions contained in the FIELD PANEL GO Firmware Product will meet your requirements or that the operation of the FIELD PANEL GO Firmware Product will be uninterrupted or error free.

However, Siemens Industry, Inc. warrants the media on which the FIELD PANEL GO Firmware Product is furnished to be free from defects in materials and workmanship under normal use for a period of ninety days from the date of shipment.

LIMITATIONS ON REMEDIES.

Siemens Industry, Inc.'s entire liability and your exclusive remedy shall be:

- the replacement of any media not meeting Siemens Industry, Inc. "Limited Warranty" and which is returned to Siemens Industry, Inc. or an authorized Siemens Industry, Inc. distributor, or

- if Siemens Industry, Inc. or an authorized Siemens Industry, Inc. distributor is unable to deliver a replacement media which is free of defects in materials or workmanship, you may terminate the EULA by returning the FIELD PANEL GO Firmware Product and your money will be refunded.

IN NO EVENT WILL SIEMENS INDUSTRY, INC. BE LIABLE TO YOU FOR ANY DAMAGES INCLUDING ANY LOST PROFITS, LOST SAVINGS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT EVEN IF SIEMENS INDUSTRY, INC. OR ANY AUTHORIZED SIEMENS INDUSTRY, INC. DISTRIBUTOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR FOR ANY CLAIM BY ANY OTHER PARTY.

TERMINATION.

Upon termination of this EULA, all rights granted to you will terminate and revert to Licensor. Promptly upon termination of this EULA for any reason or upon discontinuance or abandonment of your possession or use of the FIELD PANEL GO Firmware Product, you must return or destroy all copies of the FIELD PANEL GO Firmware Product in your possession, and all other materials pertaining to the FIELD PANEL GO Firmware Product (including all copies thereof). You agree to certify your compliance with such restriction upon Licensor's request.

GENERAL.

This EULA will be governed by the laws of the State of Illinois, USA. Because some states/jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, and/or a limitation of implied warranty, such limitations may not apply to you.

In the event that any term of this EULA is or becomes or is declared to be invalid or void by any court or tribunal of competent jurisdiction, such term or terms shall be null and void and shall be deemed severed from this EULA and all the remaining terms of this EULA shall remain in full force and effect.
Table of Contents

How to Use This Manual ........................................................................................................I
  Related Documents ............................................................................................................I
  Symbols Used in this Manual ............................................................................................I
  Manual Conventions .......................................................................................................II
  Contact Us ......................................................................................................................II

Chapter 1–Introduction to Field Panel GO .........................................................................1-1

  Chapter Overview ...........................................................................................................1-1
  Applications ..................................................................................................................1-2
  Alarms ..........................................................................................................................1-2
  Graphics ......................................................................................................................1-2
  Point Commander .......................................................................................................1-2
  Trend Data Report .......................................................................................................1-2
  Scheduler .....................................................................................................................1-2
  Point Log Report .........................................................................................................1-3
  Setup ............................................................................................................................1-3
  Field Panel GO Basic Setup, Navigation, and System Concepts ..................................1-3
  Browser Requirements .................................................................................................1-3
  Configuring the Microsoft Java Virtual Machine .........................................................1-3
  Connecting to Field Panel GO and Logging On .........................................................1-4
  Logging Off ................................................................................................................1-5
  User Interface Description ...........................................................................................1-6
  Using the Object Selector .............................................................................................1-8
  Basic Concepts for Points ............................................................................................1-10

Chapter 2–Field Panel GO System Administration ............................................................2-1

  Chapter Overview ...........................................................................................................2-1
  Compatibility ................................................................................................................2-2
  Field Panel GO System Performance ..........................................................................2-2
  System Security ..........................................................................................................2-4
  Field Panel GO User Access ........................................................................................2-5
  Tips for Field Panel GO Startup ................................................................................2-6
  Tips for Managing Field Panel GO Users ....................................................................2-6
  Configuring Field Panel GO ........................................................................................2-8
  User Interface Description for Setup ............................................................................2-8
  Setting up Alarm Notification ......................................................................................2-10
  Adding Language Translation Files and Setting Language ..........................................2-11
  Setting up Graphics Display Options ..........................................................................2-14
  Configuring the Default Graphic .................................................................................2-15
  Adding Custom Graphics and TEC Template Graphics ..............................................2-17
  Backing up and Restoring Files .....................................................................................2-19
### Table of Contents

- Modifying Properties of a Mode Schedule Entry ..................................................... 7-8  
- Enabling or Disabling a Mode Schedule Entry ....................................................... 7-9  
- Adding or Modifying a Mode Schedule Override ................................................... 7-10  
- Deleting a Mode Schedule Override ..................................................................... 7-11

#### Chapter 8–Reports Application ............................................................................. 8-1  
  - Chapter Overview ................................................................................................. 8-1  
  - Reports Application Overview ............................................................................ 8-2  
  - User Interface Description for Reports ................................................................. 8-2  
  - Reports Step-by-Step Instructions ....................................................................... 8-3  
  - Generating a Point Log Report for a Single Point ............................................... 8-3  
  - Generating a Point Log Report for Multiple Points .............................................. 8-4  
  - Printing a Point Log Report .................................................................................. 8-4

#### Chapter 9–Troubleshooting .................................................................................. 9-1  
  - Log On Error Messages ......................................................................................... 9-2  
  - Connection Errors ............................................................................................... 9-3  
  - Field Panel GO Display and Settings ................................................................. 9-4  
  - Default Graphic .................................................................................................. 9-5  
  - Custom Graphics ................................................................................................. 9-5  
  - TEC Templates ................................................................................................... 9-6  
  - Reports and Trend ............................................................................................... 9-6

Index ............................................................................................................................. Index-1
How to Use This Manual

This manual is for users of APOGEE® Building Automation Systems who use Field Panel GO to command and monitor their APOGEE field panels. It is designed to help you use the functions and applications of Field Panel GO.

To effectively use this manual you should be familiar with basic operation of the APOGEE Building Automation Systems and a Web browser.

Related Documents

In addition to this user’s manual, you may also wish to review the following Siemens Building Technologies documentation:

- **APOGEE Field Panel User's Manual (125-3000)**. This manual describes the operator interface program used to communicate with APOGEE field panels.

If your site uses Modular Building Controllers or Remote Building Controllers:

- **Modular Building Controller/Remote Building Controller Owner's Manual (125-1992)**, which describes the operation of Modular Building Controllers (MBCs) and Remote Building Controllers (RBCs).

If your site uses Modular Equipment Controllers:

- **Modular Equipment Controller Owner's Manual (125-2183)**, which describes the operation of Modular Equipment Controllers (MECs).

These manuals, along with information about other Siemens Building Technologies products, technical training classes, and services can be obtained from your local Siemens Building Technologies representative.

Symbols Used in this Manual

| CAUTION: | Equipment damage or loss of data may occur if you do not follow a procedure as specified. |
| NOTE: | Provides additional information related to a particular topic. |
| TIP: | Suggests alternative methods or shortcuts that may help you better understand the capabilities of the product. |
Manual Conventions

The following style conventions are used throughout this manual:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numbered Lists (1,2,3…) indicate a procedure with sequential steps.</td>
<td>1. From the Trend menu, click <strong>Copy Definition</strong>.</td>
</tr>
<tr>
<td></td>
<td>2. Select the Trend Definition window where you want to place the copied information.</td>
</tr>
<tr>
<td>Actions that you should perform are specified in boldface font.</td>
<td>Type <strong>F</strong> for field panels. Click <strong>OK</strong> to save changes and close the dialog box.</td>
</tr>
<tr>
<td>Sample screens and reports are displayed in <strong>Courier New</strong> font.</td>
<td>Report names and any information presented in screen shots.</td>
</tr>
<tr>
<td>New terms appearing for the first time in the manual are italicized.</td>
<td>A <strong>background graphic</strong> is the basic drawing of the building control system.</td>
</tr>
<tr>
<td>Short cut keys are specified as <strong>Alt+D</strong>.</td>
<td>Move to previous prompt by pressing <strong>CTRL+L</strong>.</td>
</tr>
<tr>
<td>Brackets [placeholder] indicate text that can vary based on your selection.</td>
<td>If you select Hours, Days, Weeks or Months from the Time Period list, specify a parameter in the # of [units] box.</td>
</tr>
</tbody>
</table>

Contact Us

Your feedback is important to us. If you have comments about this manual, please submit them to SBT_technical.editor@siemens.com.
Chapter 1–Introduction to Field Panel GO

Welcome to Field Panel GO, a field panel product that provides a Web-based user interface to your APOGEE® Building Automation System. Field Panel GO is an option available for the Power Open Processor with Ethernet Automation Level Network (ALN) and the Power Modular Equipment Controller (MEC) with Ethernet ALN.

The Building Automation Level Network (BLN) is now called the Automation Level Network (ALN). However, all firmware prompt strings continue to use the BLN abbreviation.

Chapter Overview

Chapter 1 discusses the following topics:

- Applications
  - Alarms
  - Graphics
  - Point Commander
  - Trend Data Report
  - Scheduler
  - Point Log Report
  - Setup
- Field Panel GO Basic Setup, Navigation, and System Concepts
  - Browser Requirements
  - Configuring the Microsoft Java Virtual Machine
  - Connecting to Field Panel GO and Logging On
  - Logging Off
  - User Interface Description
  - Using the Object Selector
  - Basic Concepts for Points
Applications

Field Panel GO includes all the applications a facility operator needs to easily monitor and control the APOGEE® Building Automation System through a simple Web-based user interface.

Alarms

- Displays alarm conditions for the points you have permission to view.
- Provides the ability to acknowledge alarm states.
- Provides navigation to the Point Commander application.

Graphics

- Displays a list of available graphics, and supports the following graphics:
  - One default field panel graphic
  - Up to ten custom graphics
  - TEC template graphics
- Supports graphic backgrounds, point information blocks, arrows, and analog bars.
- Provides navigation to the Point Commander application.

Point Commander

- Displays the points you have permission to view.
- Shows details for a selected point.
- Allows commanding of point values and priorities, commanding a point to alarm, disabling points or alarm printing, and resetting totalization.

Trend Data Report

- Displays a Trend Data report for the trend points you have permission to view.
- Provides navigation to the Point Commander application.
- Generates a printer-ready format of the Trend Data report.

Scheduler

- Displays mode schedules for a selected date.
- Allows you to view and modify properties of a mode schedule.
- Allows you to override a mode schedule on a selected date.
Point Log Report

- Displays a Point Log report for the points you have permission to view.
- Provides navigation to the Point Commander application.
- Generates a printer-ready format of the Point Log report.

Setup

- Allows you to configure Field Panel GO settings for Alarm Notification and Graphics and to select a language option.

Field Panel GO Basic Setup, Navigation, and System Concepts

This section describes browser requirements, setting up your browser, logging on and logging off, navigating the Field Panel GO user interface, and understanding point priority and point status.

Browser Requirements

- Internet Explorer (IE) version 6.0 is required for Field Panel GO, but IE version 8.0 or later is recommended.
- Cookies must be enabled.
- The Microsoft® Java Virtual Machine (MSJVM) is required for viewing graphics in Field Panel GO.

You must use the Microsoft® Java Virtual Machine (MSJVM) with Field Panel GO. Using the Sun Microsystems Java Virtual Machine may lead to unexpected results.

Configuring the Microsoft Java Virtual Machine

The Microsoft® Java Virtual Machine (MSJVM) is required for viewing graphics in Field Panel GO. In Internet Explorer (IE), complete the following steps to determine whether or not the Microsoft® Java Virtual Machine (MSJVM) is installed on your computer:

1. Launch IE.
2. From the Tools menu, click Internet Options.
3. In the Internet Options dialog box, click the Advanced tab.
4. Scroll down through the Settings section and look for the Microsoft VM group.
   - If the Microsoft VM group exists, your computer has the Java Virtual Machine it needs. Select the check boxes as shown in the following figure.
If the Microsoft VM group doesn’t exist, the MSJVM is not installed on your computer. Request the `msjavx86.exe` file from your local Siemens representative and follow the online instructions to complete the installation.

Connecting to Field Panel GO and Logging On

Begin a Field Panel GO session by opening the Field Panel GO Welcome page through Internet Explorer and then logging on to the APOGEE® Building Automation System. Whenever a Field Panel GO session begins, the system sends a log on message to all configured alarm printers.

Steps for Logging On

1. Launch Internet Explorer on your computer.
2. Type one of the following in the Internet Explorer address field:
   - IP address of the field panel
   - Field panel node name

   The Field Panel GO Welcome page displays.

   If you cannot connect to the Field Panel GO Welcome page, see Troubleshooting.

3. To go to the log on window, click either the Welcome page image or the arrow following the message Click Here to Enter.
4. Type your user name and password in the appropriate fields of the log on window and click Logon.

   If you receive an error message in the log on window and are unable to log on, see Troubleshooting.
A log on message is sent to all configured alarm printers, and the first application you are allowed to access is displayed. For example, if you have access to Alarms, the Alarms application page is the first page displayed.

Logging Off

End a Field Panel GO session by either manually logging off or allowing the system to automatically log off. Manually logging off immediately prevents unauthorized users from having access to the system and reduces network traffic. Whenever a Field Panel GO session ends, the system sends a logoff message to all configured alarm printers and returns you to the Field Panel GO Welcome page.

- Manual logoff ends a Field Panel GO session when the Log off icon is clicked.
- Automatic logoff ends a Field Panel GO session after a period of inactivity at the browser.
  - Field Panel GO performs an automatic logoff after the autologoff delay time that is defined in the ALN/BLN user account expires.
  - After the system performs a logoff, the message **You have been automatically logged off** displays on the Welcome page.

**CAUTION:**

**Do not close the browser without logging off!** If the browser is closed before a manual or automatic logoff is performed, the Field Panel GO session is still active in the system, and the following problems occur:

- Other users are prevented from logging on to one of the two available sessions.
- A logoff message is not sent to all configured alarm printers until a new Field Panel GO session is begun.
- The system continues to send COVs to the Field Panel GO Graphics application even though the browser is closed.

For information on resolving these problems, see the section **Tips for Managing Field Panel GO Users.**

Step for Manually Logging Off

- From the right side of the Application toolbar, click **🔒** (the Log off icon).

The Field Panel GO session ends, a logoff message is sent to all configured alarm printers, and the Welcome page displays.
User Interface Description

Once a user is logged on, the Field Panel GO user interface is divided into a page header and an application page. The application page may be divided into left and right panes. The following elements are used in the Field Panel GO user interface:

1. **Page Header**
   The page header contains the Application toolbar and the Alarm Notification message.

2. **Object Selector**
   The Object Selector allows you to enter search criteria to filter the objects displayed in the Objects Retrieved list. For more information, see the section *Using the Object Selector*.

3. **Objects Retrieved List**
   The Objects Retrieved List displays information based on the search criteria set in the Object Selector. A maximum of 100 objects is displayed. If Field Panel GO retrieves more than 100 objects, additional objects can be viewed by clicking **More**.

4. **Left Pane**
   For most applications, the left pane contains the Object Selector and the Objects Retrieved list.
5. Alarm Notification

When Alarm Notification is set to ON in the Setup application, a blinking red icon displays on the right side of the page header next to the message **Unacknowledged Alarms** if at least one point is in the unacknowledged state.

6. Application Toolbar

The application toolbar provides navigation to each Field Panel GO application. Icons only display if access to the application has been granted in the ALN/BLN user account.

7. Right Pane

The information displayed in the right pane depends on the application.

8. Application Page

The information displayed in the application page depends on the application. The following table outlines all the options.

<table>
<thead>
<tr>
<th>Toolbar Icon</th>
<th>Icon Description</th>
<th>Application Page Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Alarm Icon" /></td>
<td>Alarms application</td>
<td>The left pane does not display. The Alarm List and Unack List display in the right pane.</td>
</tr>
<tr>
<td><img src="image2.png" alt="Graphics Icon" /></td>
<td>Graphics application</td>
<td>The Object Selector and Objects Retrieved List display in the left pane. The selected graphic displays in the right pane.</td>
</tr>
<tr>
<td><img src="image3.png" alt="Point Commander Icon" /></td>
<td>Point Commander application</td>
<td>The Object Selector and Objects Retrieved List display in the left pane. The Commander window displays point detail information in the right pane.</td>
</tr>
<tr>
<td><img src="image4.png" alt="Trend Icon" /></td>
<td>Trend application</td>
<td>The Object Selector and Objects Retrieved List display in the left pane. A generated Trend Data report displays in the right pane.</td>
</tr>
<tr>
<td><img src="image5.png" alt="Scheduler Icon" /></td>
<td>Scheduler application</td>
<td>The daily equipment schedule displays in the left pane. A monthly calendar and the View Schedules by Filters menu display in the right pane.</td>
</tr>
<tr>
<td><img src="image6.png" alt="Reports Icon" /></td>
<td>Reports application</td>
<td>The Object Selector and Objects Retrieved List display in the left pane. A generated Panel Point Log report displays in the right pane.</td>
</tr>
<tr>
<td><img src="image7.png" alt="Setup Icon" /></td>
<td>Setup application</td>
<td>The left pane does not display. The Setup window displays in the right pane.</td>
</tr>
<tr>
<td><img src="image8.png" alt="Log Off Icon" /></td>
<td>Log off</td>
<td>When this icon is selected, the user returns to the Welcome page.</td>
</tr>
</tbody>
</table>
Using the Object Selector

The Object Selector is used to enter search criteria. Wildcards can be used to filter the objects displayed in the Graphics, Point Commander, Trend, and Reports applications.

- The first time you open an application, the Object Selector contains the default search criteria for the application. Once you modify the search criteria in an application and click Find now, the updated search criteria is maintained throughout the Field Panel GO session.

- To close the Object Selector and minimize the left pane, click 🗑️ in the upper right corner. To reopen the Object Selector, click 🔍.

The following fields, buttons, and check box are used in the Object Selector:

1. Name

The Name text field allows you to enter a point name as part of the search criteria. Wildcards can be used in this field to represent one or more characters in the point name.

- The default entry for this field is an asterisk (*), which selects all objects.
- This field is not case sensitive.
- The two wildcard characters available are:
  - The asterisk (*), which can represent multiple characters in the point name.
  - The question mark (?), which replaces only one character in the point name.

In order for wildcarding to be effective, it is important for a point naming convention to be used consistently throughout the system. Point naming conventions are described in the Point Database chapter of the Field Panel User's Manual (125-3000).
2. Type

The Type drop-down list allows you to select one object type as part of the search criteria.

- For Point Commander and Reports, the drop-down list options are <All> and the twelve point types.
- For the Graphics application, the drop-down list options are Graphic and the appropriate FLN type.
  - TEC is the option if the field panel containing Field Panel GO Firmware supports P1 FLN devices.
  - LTEC is the option if the field panel containing Field Panel GO Firmware supports LONWORKS® FLN devices.

**NOTE:** The Type field is disabled in the Trend application.

3. Panel

The Panel drop-down list displays all available field panels on the ALN/BLN. You can select an individual field panel as part of the search criteria.

4. Show Subpoints Check Box

- Selecting the Show Subpoints check box expands the search criteria to include subpoints.
- The search criteria entered for the Name field (Item 1) is used in combination with the Show Subpoints selection. For example, if abc* is entered for the Name and Show Subpoints is selected, the Objects Retrieved list will include all points named abc, as well as subpoints with an abc prefix.

5. Run Report Button

- The Run Report button only displays in the Trend and Reports applications.
- Generates a report using the search criteria set in the Name field.
- When you click Run Report, the Type, Panel, and Show Subpoints inputs are ignored.

  Clicking the Run Report button with an asterisk (*) in the Name field generates a report for all field panels on the ALN/BLN. The system may take a few minutes to generate this report. You can navigate to other applications while the report is being generated.

6. Find Now Button

Executes a search for objects matching the search criteria.
Basic Concepts for Points

The point database contains all information defined for every point in the APOGEE system. The system controls points according to their definitions and the purposes they represent.

Point Priority

The five point priorities, from highest to lowest priority, are: OPER, SMOKE, EMER, PDL, and NONE.

- Manually changing the value of a point is known as commanding the point. When a point is commanded, its priority changes to OPER.
- To allow the system to regain control, points in OPER priority must be reset to NONE. This manual change in priority is known as releasing the point. If the system is running a control sequence that uses one of the other priorities (PDL, EMER or SMOKE), then the system changes the priority to reflect that control upon a point release.

CAUTION:

Remember to eventually release all commanded points to NONE priority so that the system is automatically controlled. Failure to release commanded points may lead to unexpected results.

In most cases, under normal operating conditions, the priority of a point should be NONE. Depending on the type of application, the system may change point priority to prevent interaction with PPCL or other applications.

The following table describes each command priority:

<table>
<thead>
<tr>
<th>Command Priority</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPER (Operator)</td>
<td>Highest command priority. An operator has control for commanding the point to a new value. The sequence of operation set up in the control program has been overridden and the control program cannot command the point until it is released to a lower priority. PPCL statements do not affect this point until it is released from OPER.</td>
</tr>
<tr>
<td>SMOKE</td>
<td>Second highest command priority. SMOKE control is a safety program sequence that controls the system when the Life Safety smoke detector is tripped. A point may be commanded to SMOKE for smoke alarm testing. The SMOKE command priority may require user intervention.</td>
</tr>
<tr>
<td>EMER (Emergency)</td>
<td>Third highest command priority. The point is controlled by a special program sequence that commands the point during emergency situations. EMER command priority is used during emergency conditions; for example, a low temperature detector shuts down a supply fan because the duct is too cold.</td>
</tr>
</tbody>
</table>

Continued on the next page...
Field Panel GO Basic Setup, Navigation, and System Concepts

Command Priority | Description
--- | ---
PDL (Peak Demand Limiting) | Fourth highest command priority. The point is commanded by Peak Demand Limiting (PDL). PDL control is a special energy management program routine that limits electrical demand by turning off electrical loads when demand approaches a set point; for example, shutting down a fan if demand approaches setpoint. There is no need for intervention when PDL has control of a point.

NONE | Lowest command priority. The point is commanded by the standard PPCL control program. The point is not controlled by the operator or special control programs. Most point commanding in a building control system is done automatically by PPCL programs commanding points with the NONE priority.

Point Status

The point status indicates the current condition of a logical point. It can also reflect two or more statuses. For example, the point may be commanded into alarm by an operator (*AC*) and set to trouble by the PPCL program (*T*). The status for the point would then be displayed as *ACT*. The following table describes each point status:

<table>
<thead>
<tr>
<th>Status</th>
<th>Meaning</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>-N-</td>
<td>NORMAL</td>
<td>The point is in regular operation. The value and alarm conditions of the point can be updated by control programs or operator commands.</td>
</tr>
</tbody>
</table>
| *A* | ALARM | The condition of the point is outside its defined limits and an alarm priority has been assigned to the point. An alarm occurs when:
  - The value of an analog point is outside a defined high or low limit.
  - The value of a proof point does not correspond to the commanded value of the associated output point within the proof delay time.
  - An LDI or LDO point is ON and the point was defined to go into alarm when it turns ON. For example, a smoke detector point. |
| *An* | ALARM | The condition of the point is outside its defined limits and an enhanced alarm priority has been assigned to the point. The *n* represents the number of the alarm level. |
| *AC* | ALARM-BY-COMMAND | The value of a point is within its normal operating range. However, the point has been commanded into alarm by an operator or by the control program. The point remains in this state until it is commanded back to the Normal state by an operator or control program. |
| *ACK* | ACKNOWLEDGE | The point is in alarm and has been acknowledged by a user. |

Continued on the next page...
<table>
<thead>
<tr>
<th>Status</th>
<th>Meaning</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>F</em></td>
<td>FAILED</td>
<td>The field panel is unable to command or read any of the physical points associated with the logical point. This may be the result of hardware failure or a sensor reading outside of its defined limits.</td>
</tr>
<tr>
<td><em>Value</em></td>
<td>HAND</td>
<td>When the value of the point is surrounded by “*” in the Alarms, Graphics, and Point Log Report application, a manual override switch has been used, and the system no longer has control of the point. The system will not be able to control that point until the manual override switch is returned to AUTOMATIC mode.</td>
</tr>
<tr>
<td><em>O</em></td>
<td>OPERATOR DISABLED</td>
<td>The point has been disabled by an operator. The point value and alarm conditions are not reported to the ALN/BLN and cannot be updated by operator commands or control programs until the point is commanded back to Enabled.</td>
</tr>
<tr>
<td><em>ODSB</em></td>
<td>OPERATOR DISABLED ALARM</td>
<td>An operator has manually disabled a point from alarm reporting.</td>
</tr>
<tr>
<td><em>P</em></td>
<td>PROOFING</td>
<td>The field panel is waiting to verify that the value of a proof point corresponds to the commanded value of an associated output point. The point is in this state for the duration of the proof delay time that is defined for the point.</td>
</tr>
<tr>
<td><em>PDSB</em></td>
<td>PROGRAM DISABLED ALARM</td>
<td>An alarm has been disabled from reporting by PPCL.</td>
</tr>
<tr>
<td><em>T</em></td>
<td>TROUBLE</td>
<td>The TROUBLE status appears when a PPCL program or an operator commands the point to this state.</td>
</tr>
</tbody>
</table>
Chapter 2–Field Panel GO System Administration

Chapter Overview

Chapter 2 discusses the following topics:

- Compatibility
- Field Panel GO System Performance
- System Security
- Field Panel GO User Access
- Tips for Field Panel GO Startup
- Tips for Managing Field Panel GO Users
- Configuring Field Panel GO
  - User Interface Description for Setup
  - Setting up Alarm Notification
  - Adding Language Translation Files and Setting Language
  - Setting up Graphics Display Options
  - Configuring the Default Graphic
  - Adding Custom Graphics and TEC Template Graphics
  - Backing up and Restoring Files
Compatibility

Field Panel GO resides on an Ethernet ALN. A minimum of one Ethernet field panel containing Field Panel GO is required per ALN.

The Building Automation Level Network (BLN) is now called the Automation Level Network (ALN). However, all firmware prompt strings continue to use the BLN abbreviation.

- Field Panel GO may coexist on the same ALN/BLN with Ethernet field panels that contain Firmware Revision 2.6 Build 9.45 or later. It may coexist with earlier builds of Firmware Revision 2.6; however, system performance may be affected.
- Insight 3.7 and Datamate Advanced 3.7 software provide the following supporting features for Field Panel GO:
  - Backup and restoration of Field Panel GO graphic files, TEC template files, language translation files, and the setup file.
  - Optional add-on component for creating and converting Field Panel GO graphic files and TEC template files.

This optional add-on component requires an additional license code for the Insight server Sentinel.

- To create graphic files, Micrografx must be installed on the Insight® Revision 3.7 server.

These features are also available as services from your local Siemens office.

Field Panel GO System Performance

Field Panel GO is a memory- and processor-intensive application. As the number of field panels, TECs, and points on the network increases, the amount of time required to load Field Panel GO Web pages increases.

- Field Panel GO is designed for optimal performance on small APOGEE® Building Automation Systems. A small system contains a maximum of six field panels per Ethernet ALN/BLN.
- An Insight® workstation, rather than Field Panel GO, is a more appropriate user interface for larger Building Automation Systems.
- For optimal performance, install Field Panel GO on an Ethernet ALN/BLN only with field panels that contain Firmware Revision 2.6 Build 9.45 or later.
- For networks with field panels containing firmware earlier than Revision 2.6 Build 9.45, more time is required to execute Field Panel GO functions.
Performance testing indicates that load times for user log on, the Alarms application, and the Unacknowledged Alarm Notification feature increases by a factor of three for each field panel on the network containing firmware earlier than Revision 2.6 Build 9.45.

The following table compares the time it takes to load a Field Panel GO Web page on different-sized systems:

<table>
<thead>
<tr>
<th>Action</th>
<th>6 Field Panels, 33 TECs</th>
<th>10 Field Panels, 45 TECs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logon</td>
<td>6-7 seconds</td>
<td>9-12 seconds</td>
</tr>
<tr>
<td>Open Alarms Application</td>
<td>6-7 seconds</td>
<td>10 seconds</td>
</tr>
<tr>
<td>Open Commander Application</td>
<td>9 seconds</td>
<td>10-12 seconds</td>
</tr>
<tr>
<td>Open Scheduler Application</td>
<td>10 seconds</td>
<td>16 seconds</td>
</tr>
</tbody>
</table>

**NOTE:** The results in this table were obtained in a controlled performance test environment. Tests were conducted on a network only containing field panels with Firmware Revision 2.6 Build 9.45.
System Security

Field Panel GO offers the same security measures and access to your Automation Level Network (ALN) as any Ethernet field panel on your network. The following illustration shows an example network layout with Field Panel GO.

The Building Automation Level Network (BLN) is now called the Automation Level Network (ALN).

Example Network Layout with Field Panel GO.

Observe the following practices to help control unauthorized access to the ALN/BLN:

- Assign privileges in each ALN/BLN user account based on the user's responsibilities and the need to use an application or function. For example:
  - If the ALN/BLN user account is set to No Access to Alarms, then the Field Panel GO Alarms application is not available when that user logs on to Field Panel GO.
  - If the ALN/BLN user account is set for access groups 1..5, then points assigned to access groups 6..30 are not available in the Field Panel GO Point Commander application when that user logs on to Field Panel GO.

- Change the passwords for the HIGH, MED, and LOW default user accounts.

- Only enable Telnet on the field panel when it is needed.
If your site requires detailed tracking of system modifications, you should use the Compliance Support Option available through the Insight® software to manage your ALN/BLN. The Compliance Support Option for Insight provides an additional level of system security that protects critical system objects from damage by inadvertent operator changes, and provides enhanced audit trails, which are most often used to support compliance with federal regulations; for example, FDA 21 CFR Part 11.

**Field Panel GO User Access**

Access to Field Panel GO applications is controlled through privileges, which are granted in the ALN/BLN user account. The following table outlines the ALN/BLN user account privilege that grants access to each Field Panel GO application:

<table>
<thead>
<tr>
<th>ALN/BLN User Account Privilege</th>
<th>Provides Access to This Field Panel GO Application</th>
<th>User Privilege Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alarm</td>
<td>Alarms and Alarm Notification</td>
<td>Read Only or higher</td>
</tr>
<tr>
<td>Point</td>
<td>Graphics, Point Commander, and Point Log Report</td>
<td>Read Only or higher</td>
</tr>
<tr>
<td>Trend</td>
<td>Trend Data Report</td>
<td>Read Only or higher</td>
</tr>
<tr>
<td>Equipment Scheduler</td>
<td>Scheduler</td>
<td>Read Only or higher</td>
</tr>
<tr>
<td>System</td>
<td>Field Panel GO Setup</td>
<td>Edit</td>
</tr>
</tbody>
</table>

- Users with Read Only or higher access to a Field Panel GO application can view application information by clicking the appropriate icon.
- Users with Command or higher access to a Field Panel GO application can also execute the procedures discussed in the Step-by-Step sections of this manual.
- Users with Edit access to the Field Panel GO Setup application can also configure settings for Alarm Notification and Graphics and select a language option.

ALN/BLN user accounts are configured through the MMI terminal or Insight® workstation, not Field Panel GO. For information on setting up ALN/BLN user account privileges, see the *Field Panel User’s Manual* (125-3000).
Tips for Field Panel GO Startup

Field Panel GO is an option available for the Power Open Processor with Ethernet ALN/BLN and the Power Modular Equipment Controller (MEC) with Ethernet ALN/BLN.

- Use the appropriate IP address and subnet mask for the field panel and your computer's network connections.
  - For more information on setting the field panel network connections, see the start-up procedures for the Ethernet field panel you are installing or contact your local Siemens representative.
  - For more information on setting your computer's network connections, see the Help for your computer's operating system.
- Set the field panel IP settings according to your infrastructure.
  - If your infrastructure uses a fixed IP address, then you must select IP addresses and subnet masks that permit TCP/IP communication and do not conflict.
  - If your infrastructure is based on DHCP, then the system automatically obtains IP addresses.
- If your computer and the field panel are not on the same Ethernet network, you can directly connect them using either a crossover cable or a hub and cables.
  - If you are using a crossover cable, connect the cable to the Ethernet connections on the field panel and on your computer.
  - If you are using a hub, connect one cable to the hub and to the Ethernet connection on the field panel. Connect a second cable to the hub and to the Ethernet connection on your computer.

Tips for Managing Field Panel GO Users

- Only two Field Panel GO sessions can be active at the same time. Once two users are logged on to a field panel containing Field Panel GO Firmware, all other users are prevented from logging on.
- The Field Panel GO automatic logoff feature is enabled through the ALN/BLN user account.
  - If Autologoff enabled is set to Y (Yes) in the ALN/BLN user account, you must also enter an Autologoff delay value (from 1 to 1440 minutes). The autologoff delay defines the amount of time the browser must be inactive before Field Panel GO triggers an automatic logoff.
− If **Autologoff enabled** is set to **N** (No) in the ALN/BLN user account, Field Panel GO does not trigger an automatic logoff regardless of the level of activity at the browser.

- BLN user accounts with **Autologoff enabled** set to **N** (No) (autologoff disabled) cannot log on to multiple Field Panel GO sessions at the same time. If you attempt to start a simultaneous Field Panel GO session with an autologoff disabled user account, the system automatically closes the first session.

**CAUTION:**

**Do not close the browser without logging off!** If the browser is closed before a manual or automatic logoff is performed, the Field Panel GO session is still active in the system, and the following problems occur:

- Other users are prevented from logging on to one of the two available sessions.
- A logoff message is not sent to all configured alarm printers.
- The system continues to send COVs to the Field Panel GO Graphics application even though the browser is closed.

- Do one of the following to resolve the problems that occur when a user closes the browser before logging off from Field Panel GO:
  - If the session was ended by an ALN/BLN user account with **Autologoff enabled** set to **Y** (Yes), the autologoff delay time must expire and another user must log on to end the incomplete session. Once the autologoff delay time expires and a new user logs on, the incomplete Field Panel GO session ends and a logoff message is sent to all configured alarm printers.
  - If the session was ended by an ALN/BLN user account with **Autologoff enabled** set to **N** (No), the same user account must be used to end the incomplete session. Since there is not a logoff delay time for this ALN/BLN user account, the same user may immediately log on again. When this occurs, the incomplete Field Panel GO session ends and a logoff message is sent to all configured alarm printers.
  - If the session was ended by an ALN/BLN user account that has since been deleted, any valid Field Panel GO user can immediately log on to end the incomplete session. When a valid Field Panel GO user logs on, the incomplete Field Panel GO session ends and a logoff message is sent to all configured alarm printers.
Configuring Field Panel GO

This section describes the procedures for configuring your system and setting up user accounts.

User Interface Description for Setup

The features in this section are only available to ALN/BLN user accounts with Edit System privileges.

The Setup application is used to configure Alarm Notification and Graphics options and to select the language. The following fields and buttons are used in the Setup window:

1. General Section

Alarm Notification and Alarm Notification Interval

- The Alarm Notification feature is activated or deactivated using the drop-down list. The default setting is ON.
• When Alarm Notification is set to **ON**, the Alarm Notification Interval field defines the number of seconds Field Panel GO waits between each scan of the ALN/BLN to identify points in the unacknowledged state.
  
  − The default Alarm Notification Interval is 30 seconds.
  − The valid range for this field is **30** through **300** seconds.

• If you are looking for ways to reduce network traffic, increase the Alarm Notification Interval or set Alarm Notification to **OFF**.

**Header Image Transition**

This option activates or deactivates the photo slideshow that displays on the left side of the page header. The default setting is **ON**.

**Language**

• Selects the language displayed in Field Panel GO.

• If a translated **headings.xml** file was downloaded to the Field Panel GO file system, the name of the subdirectory that contains the translated **headings.xml** file displays in the drop-down list as another language option.

• The default setting is **EN-US**, which indicates English (United States).

For more information on setting up language options, see the section *Adding Language Translation Files and Setting Language*.

2. **Graphics Section**

**Refresh Mode and Graphics Update Interval**

• The Refresh Mode is set using the drop-down list. The default setting is **Automatic**.

• When Refresh Mode is set to **Automatic**, the Graphics Update Interval field defines the number of seconds the Graphics application waits between each automatic scan of the ALN/BLN to retrieve updated point information.
  
  − The default Graphics Update Interval is 15 seconds.
  − The valid range for this field is **5** through **60** seconds.

• When Refresh Mode is set to **Manual**, you must manually refresh the Graphics application to retrieve updated point information from the ALN/BLN.

• If you are looking for ways to reduce network traffic, increase the Graphics Update Interval or set the Refresh Mode to **Manual**.
Blink Options

- Determines the blink options for the controls in the Graphics application. The default setting is OFF (disabled).

- There are two blink options:
  - Off (disabled). Select this option if you don’t want graphic controls to blink.
  - On when Off-Normal. Select this option if you want a graphic control to blink when a point is in alarm.

Default Graphic Size

- Sets the display size for the default graphic. The default setting is 800 × 600.

- There are three options:
  - 800 × 600, which displays a maximum of 15 point information blocks.
  - 1024 × 768, which displays a maximum of 30 point information blocks.
  - 1280 × 1024, which displays a maximum of 72 point information blocks.

Default Graphic Points List

This option is used for setting up the Field Panel GO Default Graphic. A point information block is created in the Default Graphic for each point name entered in the list.

3. Point State to Color Map Section

Controls the color options that indicate point status in the Graphics application.

4. Restore Defaults Button

Restores all Setup options to the default settings.

5. Save Button

Saves the selected Setup options.
Setting up Alarm Notification

CAUTION:

If Alarm Notification is not used, you should regularly check for new alarms by either going to the Alarms application or clicking the Refresh button while viewing the Alarms application.

When Alarm Notification is set to ON in the Setup application, the system automatically checks for ALN/BLN points in the unacknowledged state. If at least one point is in the unacknowledged state, a blinking red icon displays on the right side of the page header next to the message Unacknowledged Alarms.

Steps

This procedure is only available to users with Edit System privileges.

1. From the right side of the Application toolbar, click (the Setup icon).
   
   The Setup window displays.

2. Select an option in the Alarm Notification drop-down list.

   - **ON** activates Alarm Notification
   - **OFF** deactivates Alarm Notification

3. Do one of the following:

   - If Alarm Notification is set to **ON**, go to the Alarm Notification Interval field and enter the number of seconds between each automatic scan of the ALN/BLN for points in the unacknowledged state. The valid range is 30 through 300 seconds.
   - If Alarm Notification is set to **OFF**, continue with Step 4.

4. Click **Save** to apply your settings for Alarm Notification

   The information in the Alarm Notification fields reflects the changes.

   Alarm Notification setup is now complete.

Adding Language Translation Files and Setting Language

The Field Panel GO user interface can be translated to meet your local language needs. The language option selected in the Field Panel GO Setup application is activated for all users; language options cannot be set for individual user accounts.

This topic provides an overview of the process for creating the translation file and saving it to the file system. If you need step-by-step instructions for these tasks, contact your local Siemens representative.
Creating the Language Translation Files

1. Use an FTP client to copy the `translations\en-us\headings.xml` file from the field panel to a directory on your local hard drive.

2. Translate all of the words or phrases between the start and end tags in the xml file.
   - You must save the translation file using UTF-8 encoding.
   - The Notepad editor included with Windows 2000 or later supports UTF-8 encoding.

The following example compares an excerpt from the English headings.xml file with the same excerpt translated to French. (Bold is added for emphasis):

<table>
<thead>
<tr>
<th>English <code>headings.xml</code> File</th>
<th>French <code>headings.xml</code> File</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>&lt;?xml version=&quot;1.0&quot; encoding=&quot;UTF-8&quot;?&gt;</code></td>
<td><code>&lt;?xml version=&quot;1.0&quot; encoding=&quot;UTF-8&quot; ?&gt;</code></td>
</tr>
<tr>
<td><code>&lt;headings&gt;</code></td>
<td><code>&lt;headings&gt;</code></td>
</tr>
<tr>
<td><code>&lt;!--General headings --&gt;</code></td>
<td><code>&lt;!--General headings --&gt;</code></td>
</tr>
<tr>
<td><code>&lt;heading category=&quot;name&quot;&gt;Name&lt;/heading&gt;</code></td>
<td><code>&lt;heading category=&quot;name&quot;&gt;Nom&lt;/heading&gt;</code></td>
</tr>
<tr>
<td><code>&lt;heading category=&quot;value&quot;&gt;Value&lt;/heading&gt;</code></td>
<td><code>&lt;heading category=&quot;value&quot;&gt;Valeur&lt;/heading&gt;</code></td>
</tr>
<tr>
<td><code>&lt;heading category=&quot;status&quot;&gt;Status&lt;/heading&gt;</code></td>
<td><code>&lt;heading category=&quot;status&quot;&gt;État&lt;/heading&gt;</code></td>
</tr>
<tr>
<td><code>&lt;heading category=&quot;priority&quot;&gt;Priority&lt;/heading&gt;</code></td>
<td><code>&lt;heading category=&quot;priority&quot;&gt;Priorité&lt;/heading&gt;</code></td>
</tr>
<tr>
<td><code>&lt;/headings&gt;</code></td>
<td><code>&lt;/headings&gt;</code></td>
</tr>
</tbody>
</table>

3. In the `translations` directory of the field panel file system, create a subdirectory for the translated headings.xml file.
   - Use the standard values for the `xml:lang` attribute as the name for the subdirectory.
   - For additional information, see the section *Standard Values for the xml:lang Attribute*.

4. Use an FTP client to download the translated headings.xml file to the `translations\xx` directory in the field panel file system, where `xx` is the subdirectory for the user-defined language.

You are now ready to set the language option for your work site. Continue with the procedure *Setting the Language*. 
Standard Values for the xml:lang Attribute

Standards for using language identification tags are defined in the Internet Engineering Taskforce (IETF) document Request for Comments (RFC) 3066, which can be found at http://www.ietf.org/rfc/rfc3066.txt.

The most commonly used value is the following:

\[
\text{<ISOLangCode>[-<ISOCountryCode>]}
\]

Where:

- \text{<ISOLangCode>} is an ISO language two-letter code (ISO 639-1) or three-letter code (ISO 639-2T).
- \text{<ISOCountryCode>} is an ISO country code (ISO 3166).
- A dash (-) (U+002D) is the separator (not an underscore (_)).

Using the ISO Language Codes

- If a two-letter code does not exist for a given language, use the Terminology form of the three-letter code (ISO 639-2t), not the Bibliography form (ISO 639-2b).

Common xml:lang Standard Values

<table>
<thead>
<tr>
<th>Language</th>
<th>ISO 639-1</th>
<th>ISO 639-2T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese</td>
<td>zh</td>
<td>zho</td>
</tr>
<tr>
<td>French</td>
<td>fr</td>
<td>fra</td>
</tr>
<tr>
<td>German</td>
<td>de</td>
<td>deu</td>
</tr>
<tr>
<td>Japanese</td>
<td>ja</td>
<td>jpn</td>
</tr>
<tr>
<td>Korean</td>
<td>ko</td>
<td>kor</td>
</tr>
<tr>
<td>Latin</td>
<td>la</td>
<td>lat</td>
</tr>
<tr>
<td>Spanish</td>
<td>es</td>
<td>spa</td>
</tr>
</tbody>
</table>
Setting the Language

This procedure is only available to users with Edit System privileges.

- Once the `headings.xml` file is translated and downloaded to the appropriate subdirectory in the field panel file system, other language options are available in the Language drop-down list in the Setup application.
- The name of the subdirectory that contains the translated `headings.xml` file displays in the Language drop-down list as another language option.

1. Log on to Field Panel GO.

2. From the right side of the Application toolbar, click the Setup icon.

   The Setup window displays.

3. From the Language drop-down list, select the appropriate option for your work site.

   If other language options do not display in the drop-down list, click Save and then select the appropriate option for your work site.

4. Click Save to apply your settings for Language.

   The information in the Language field reflects the changes.

Language setup is now complete.

Setting up Graphics Display Options

This section outlines the procedure for setting the following display options in the Graphics application:

- Refresh Mode
- Graphics Update Interval
- Blink Options
- Default Graphic Size
- Point State to Color Map

See the section Configuring the Default Graphic for the procedure to add points to the Default Graphic Points List.
Steps

This procedure is only available to users with Edit System privileges.

1. From the right side of the Application toolbar, click \(\text{Setup}\) (the Setup icon).
   The Setup window displays.

2. Under the Graphics section of the Setup window, select a Refresh Mode option from the drop-down list. The following options are available:
   - **Automatic** (This is the default setting.)
   - **Manual**

3. If you selected Automatic Refresh Mode in Step 2, you may wish to change the Graphics Update Interval.
   - The default update interval is 15 seconds.
   - The valid range for this field is 5 through 60 seconds.

4. From the Blink Options drop-down list, select one of the following options for graphics representing points in alarm:
   - **Off (disabled)** (This is the default setting.) Select this option if you don't want graphic controls to blink.
   - **On when Off-Normal** Select this option if you want a graphic control to blink when a point is in alarm.

5. From the Default Graphic Size drop-down list, select one of the following options for the Default Graphic:
   - **800 \times 600** (maximum of 15 point information blocks) (This is the default setting.)
   - **1024 \times 768** (maximum of 30 point information blocks)
   - **1280 \times 1024** (maximum of 72 point information blocks)

6. Under the Point State to Color Map section of the window, do the following to modify the color options representing each point state:
   a. Click \(\text{Palette}\) (the Palette icon) for the point state you want to modify.
   b. **Color Palette** is the default setting for the palette. If you want to use a gray scale, select **Grayscale Palette** from the drop-down list at the top of the window.
   c. Click one of the colors in the palette to select it as the color for the point state.

7. Click **Save** at the bottom of the Setup window to save your changes.
   The graphics display options are now set up.
Configuring the Default Graphic

Point Names or Point System Names are used to create the Field Panel GO Default Graphic, which displays your building operations with point information blocks.

The Field Panel GO Graphics application does not display point names based on the System, User namespace setting in the ALN/BLN user account. The point name style used to define the graphic is the point name style that always displays.

The following example illustrates a Point Name and a Point System Name:

**Point Name:** BUILDING1.AHU1.SPACETEMP

**Point System Name:** B1A1ST

- Each name entered in the Default Graphic Points List creates a point information block in the Default Graphic.
  - You can enter the Point Name, the Point System Name, or both point name styles in the Default Graphic Points List.
  - The Default Graphic always displays all the point information blocks for any Field Panel GO user with access to the Graphics application.

- The Field Panel GO Graphics application limits access to commanding a point on a graphic as follows:
  - The Field Panel GO user must be granted Command or higher access to the point in the ALN/BLN user account.
  - Field Panel GO users whose account setting for System, User namespace is set to System, can only command points that are defined in the Field Panel GO Graphics application as **Point System Names**.
  - Field Panel GO users whose account setting for System, User namespace is set to User, can only command points that are defined in the Field Panel GO Graphics application as **Point Names**.
Steps

This procedure is only available to users with Edit System privileges.

During this procedure, you need to type the names of points you wish to add to the Default Graphic. Before you begin, print a Panel Point Log report.

1. From the right side of the Application toolbar, click (the Setup icon).
   The Setup window displays.
2. Under the Graphics section of the window, click Add Points.
   The Default Graphic Points List is maximized.
3. Do one of the following:
   - To add points, type point names in the Default Graphic Points List. Press ENTER after each point name so that there’s only one point name per line.
   - To remove points, delete the point name from the Default Graphic Points List.
4. Click Apply to update the Default Graphic Points List.
5. Click Close to minimize the Default Graphic Points List.
6. Click Save at the bottom of the Setup window to save your changes.
   The Default Graphic is now configured.

Verifying the Default Graphic Configuration

1. From the Application toolbar, click (the Graphics icon).
2. Select Graphic from the Object Selector Type drop-down list and click Find now.
3. In the Objects Retrieved list, click Default Graphic.
   Field Panel GO displays the Default Graphic in the Application frame.
Adding Custom Graphics and TEC Template Graphics

Custom field panel graphics and TEC template graphics must be downloaded to the field panel before they can be viewed in the Field Panel GO Graphics application.

The Field Panel GO Graphics application does not display point names based on the System, User namespace setting in the ALN/BLN user account. The point name style used to define the graphic is the point name style that always displays.

The following example illustrates a Point Name and a Point System Name:

Point Name: BUILDING1.AHU1.SPACETEMP
Point System Name: B1A1ST

- The Field Panel GO Graphics application limits access to commanding a point on a graphic as follows:
  - The Field Panel GO user must be granted Command or higher access to the point in the ALN/BLN user account.
  - Field Panel GO users whose account setting for System, User namespace is set to System, can only command points that are defined in the Field Panel GO Graphics application as Point System Names.
  - Field Panel GO users whose account setting for System, User namespace is set to User, can only command points that are defined in the Field Panel GO Graphics application as Point Names.

- Either the Point Name or the Point System Name is displayed in custom graphics and TEC template graphics.
  - When exporting custom graphics and TEC template graphics, be aware that your ALN/BLN account setting for System, User namespace determines which point name style displays in the Field Panel GO Graphics application.
  - The point name style is fixed once the custom graphics and TEC template graphics are exported for Field Panel GO.

- When graphics are exported for Field Panel GO, the point names in the graphic are compared to the point names in the database. If a point name is not in the database, it is removed from the graphic.
Steps

This procedure provides an overview of the process for adding custom graphics and TEC template graphics to the Field Panel GO file system. If you need more detailed instructions for these tasks, contact your local Siemens representative.

This procedure is only available to users with Edit System privileges.

1. Create custom graphics and TEC template graphics in the Graphics application of Insight® Revision 3.7 or Datamate Advanced Revision 3.7 software.

   As an alternative, the local Siemens office can provide the service of creating the custom and TEC template graphics.

   • Custom graphic file names and graphic background file names are limited to 255 characters; acceptable characters include: A through Z, a through z, 0 through 9, and underscores (_).
   • Do not use the following in file names: spaces ( ), periods (.), commas (,), dashes (-), apostrophes ('), and the characters & ? * [ ] { } %.
   • Use the application ID number as the file name for TEC template graphics.

2. Use Insight Revision 3.7 or Datamate Advanced Revision 3.7 to export the custom graphics and TEC template graphics to the Field Panel GO file format. These tools store the Field Panel GO graphic files on your local hard disk. Otherwise, the local Siemens office can provide this service.

3. Use one of the following tools to download custom graphics and TEC template graphics to the Field Panel GO file system:

   • Insight Revision 3.7 or Datamate Advanced Revision 3.7. For more information, see the user documentation for these tools.
   • Any available FTP client tool.
     - When logging on to the Field Panel GO FTP server, use a ALN/BLN user account name and password.
     - Custom graphic definition xml files must be downloaded to the |graphics| directory.
     - TEC template definition xml files must be downloaded to the |tectemplates| directory.
     - Background jpg files must be downloaded to the |backgrounds| directory.
     - For more information on using FTP clients to connect to the field panel, see the section Using Windows FTP Client.
Backing up and Restoring Files

All Field Panel GO graphic files, language translation files, and setup files should be backed up on your local hard drive so that they can be restored if the field panel coldstarts.

This feature is only available to users with Edit System privileges.

Use Insight® Revision 3.7, Datamate Advanced Revision 3.7, or any available FTP client tool to back up and restore the following Field Panel GO files:

- Graphic definition files created with Insight software or Datamate Advanced software (*.xml files in the \graphics directory).
- TEC template definition files created with Insight software or Datamate Advanced software (*.xml files in the \tectemplates directory).
- Background files created with Insight software or Datamate Advanced software (*.jpg files in the \backgrounds directory).
- Language translation files created by an editor (headings.xml file, which is in one or more \translations\xx directories, where xx is the defined language directory).
- Configuration file named \wssetup\wssetup.xml.

For more information on using Insight or Datamate software to back up and restore files, see the user documentation for these tools.

Steps for Using Windows FTP Client

If Insight Revision 3.7 or Datamate Advanced Revision 3.7 is not available, there are many user-friendly FTP tools publicly available that can be used for transferring files between your computer and the field panel. If you're comfortable using the Windows® FTP client, it also works fine for backing up, restoring, and downloading Field Panel GO files.

Telnet must be enabled in order to use FTP. Remember to disable Telnet on the field panel when you are done using the Telnet and FTP services. For information on enabling Telnet, see Troubleshooting.

Logging On

1. At your computer's command prompt (C:> prompt), type ftp IP Address or ftp Host Name of the Ethernet field panel.
2. Type your ALN/BLN user account name and password to log on and connect to the field panel FTP server.
Copying Files from Your Computer to the Field Panel

This step assumes you have translated the *headings.xml* file to French, and you now want to transfer the file `c:\FPGOFiles\translations\fr\headings.xml` from your computer to the `\translations\fr` directory in the field panel. If necessary, adjust the commands to match your file structure.

1. Type `mkdir \translations\fr`

   The `mkdir` command lets you create a new directory on the field panel.

2. Type `cd \translations\fr` and press **ENTER**.

   This command takes you to the `fr` directory.

3. Type `lcd \FPGOFiles\translations\fr` and press **ENTER**.

   The `lcd` command lets you change the FTP client’s working directory.

4. Type `put headings.xml` and press **ENTER**.

   The `put` command copies the file from your local computer to the field panel.

Transferring Files from the Field Panel to Your Computer

This step assumes you want to transfer the file `\translations\en-us\headings.xml` from the field panel to the `c:\FPGOFiles\translations\en-us` directory on your local computer. If necessary, adjust the commands to match your file structure.

1. Type `lcd \FPGOFiles\translations\en-us` and press **ENTER**.

   The `lcd` command lets you change the FTP client’s working directory.

2. Type `cd \translations\en-us` and press **ENTER**.

   The `cd` command lets you change the working directory on the field panel.

3. Type `get headings.xml` and press **ENTER**.

   The `get` command copies the file from the field panel to the local computer.

Logging Off and Exiting the Windows FTP Client

- When you’re finished transferring files, type `quit` and press **ENTER**.

   The `quit` command closes the FTP session and exits the FTP console.
Example

The following example shows the process of copying a translated headings.xml file to a French language directory (\translations\fr directory) on the field panel. (Bold is added for emphasis.)

Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.
C:\Documents and Settings\PoirotH>ftp 136.157.37.243
Connected to 136.157.37.243.
220 Nucleus FTP Server (Version 1.5) ready.
User (136.157.37.243:(none)): xxxx
331 User name okay, need password.
Password:
230 User logged in, proceed.
ftp> mkdir \translations\fr
257 "\TRANSLATIONS\FR" directory has been created.
ftp> cd \translations\fr
250 Requested file action okay, completed.
ftp> lcd \FPGOFiles\translations\fr

ftp> put headings.xml

ftp> quit
221 Service closing control connection. Logged out if appropriate.
C:\Documents and Settings\PoirotH>
Chapter 3–Alarms Application

Chapter Overview

Chapter 3 discusses the following topics:

- Alarms Application Overview
  - User Interface Description for Alarms
- Alarms Step-by-Step Instructions
  - Displaying Point Alarms
  - Acknowledging Alarm States

Alarms Application Overview

The Field Panel GO Alarms application displays point alarms detected in your APOGEE Building Automation System. From the Alarms application, you can view and acknowledge alarms or select a point name to navigate to the Point Commander application.

Alarm acknowledgement is commonly used with critical points that require immediate response once they enter ALARM. Acknowledging a point alarm indicates to other users on the network that a particular alarm has been seen and is being managed.

Points are defined as alarmable for the following reasons:

- To prevent critical problems. Points that affect human safety or can cause a severe problem in building operation should be defined as alarmable. For example, an alarm that notifies you that the temperature of a heating coil is too low and action must be taken before it freezes.

- To notify you when equipment is not functioning properly. Sometimes problems may occur and go unnoticed. Alarming is a useful tool to identify equipment that is not working properly and to prevent other devices from becoming damaged.

- To indicate a runtime threshold has been reached. For example, an alarm can indicate when a fan has run for a certain number of hours, which may prompt for maintenance.

The following are some examples of equipment that is monitored with alarmable points:

- Temperature sensors
- Heating and cooling coils
- CO2 detectors
- Door sensors
- Proof switches
User Interface Descriptions for Alarms

When you select the Alarms icon from the application toolbar, the application page consists of two tabs: the Alarm List and the Unack (unacknowledged) List.

- If a user has access to Alarms, the Alarms application is the first page to display when a Field Panel GO session begins.
- Points in the Alarm List and Unack List are grouped by field panel and displayed in alphabetical order.

The Alarms application displays 20 points per page. If Field Panel GO retrieves more than 20 points, additional pages can be viewed by clicking More.

Once a point is acknowledged, Field Panel GO updates the Alarms application page as follows:

- The point alarm is removed from the Unack List.
- The time and date of the alarm acknowledgement are added to the Ack Time field in the Alarm List.
- *ACK* is added to the point status in the Alarm List.

Once a point returns to NORMAL, that point no longer displays in the Alarm List. Point alarms that were not acknowledged before the point returned to NORMAL will remain in the Unack List.

The following fields, buttons, and check boxes are used in the Alarms application page:

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ack</td>
<td>Sorted All</td>
<td>Clear All</td>
<td>Refresh</td>
</tr>
</tbody>
</table>

---

User Interface Descriptions for Alarms

When you select the Alarms icon from the application toolbar, the application page consists of two tabs: the Alarm List and the Unack (unacknowledged) List.

- If a user has access to Alarms, the Alarms application is the first page to display when a Field Panel GO session begins.
- Points in the Alarm List and Unack List are grouped by field panel and displayed in alphabetical order.

The Alarms application displays 20 points per page. If Field Panel GO retrieves more than 20 points, additional pages can be viewed by clicking More.

Once a point is acknowledged, Field Panel GO updates the Alarms application page as follows:

- The point alarm is removed from the Unack List.
- The time and date of the alarm acknowledgement are added to the Ack Time field in the Alarm List.
- *ACK* is added to the point status in the Alarm List.

Once a point returns to NORMAL, that point no longer displays in the Alarm List. Point alarms that were not acknowledged before the point returned to NORMAL will remain in the Unack List.

The following fields, buttons, and check boxes are used in the Alarms application page:
1. Alarms Buttons

The Ack, Select All, and Clear All buttons are only available to users with Command or higher access to the Alarms application.

- **Ack** is used in conjunction with the Select check box to acknowledge a point.
- **Select All** checks the Select check box for all points in the list that are unacknowledged.
- **Clear All** clears the Select check box for all points you have selected for acknowledgment.
- **Refresh** updates the alarm data with information from the Automation Level Network (ALN) and regenerates the list.

The Building Automation Level Network (BLN) is now called the Automation Level Network (ALN). However, all firmware prompt strings continue to use the BLN abbreviation.

2. Alarms Detail Information

- The **Select** check box is used in conjunction with the Ack button to acknowledge an alarm state.
  - This check box is grayed out once the alarm state is acknowledged.
  - The Select check box is only available to users with Command or higher access to the Alarms application.
- **Name** displays either the point name or the point system name, which is the label that identifies a particular point in the database.
  - You may navigate to the Point Commander application by clicking the point name.
  - Each user account defines the type of name that is displayed in the interface. Those with User access see the point name. Those with System access see the point system name.
  - When multiple rows are displayed, the point descriptor is included below the point name.
- **Value** displays the current value of the point. For example, 62.84 DEG F, 8.66 Volts, or OFF.
- **Status** displays the status of the point.
  - The following point statuses may be displayed in this field: -N-, *A*, *An*, *AC*, *F*, *O*, *ODSB*, *P*, *PDSB*, or *T*.
  - See the section **Point Status** for a description of each condition.
• **Priority** displays the command priority of the point at the time of alarm.
  - The following command priorities may be displayed in this field: OPER (Operator), SMOKE, EMER (Emergency), PDL (Peak Demand Limiting), or NONE.
  - See the section [Point Priority](#) for a description of each condition.

• **Initial Time** displays the time of the first instance for the alarm.
  - If the alarm state changes more than once, the Initial field displays the time of the first alarm state.
  - When multiple rows are displayed, the date of the first alarm state is included below the Initial Time.

• **Current Time** displays the most recent time of an alarm state change.
  - If the alarm state changes more than once, the Current Time field displays the time of the most recent state change for the point.
  - When multiple rows are displayed, the date of the most recent state change is included below the Current Time.

• **Ack Time** displays the time an alarm was acknowledged.
  - When multiple rows are displayed, the date of the alarm acknowledgement is included below the Ack Time.

3. **Tabs for Alarm Lists**

   • The **Alarm List** displays points in alarm.
   • The **Unack List** displays points in the unacknowledged state.

4. **Single Row Entries Check Box**

   The selection made for Single Row Entries applies to both the Alarm List and the Unack List. This option allows you to choose the level of detail displayed for the points in the list. Whenever the selection for Single Row Entries is changed, the list regenerates from the beginning.

   The first time the Alarms application is opened during a Field Panel GO session, the **Single Row Entries** check box is selected. If this check box is cleared, the setting is maintained as you navigate to other applications throughout the Field Panel GO session.

   Selecting the **Single Row Entries** check box displays the following basic point information in a single row:
   • Point name
   • Point value
   • Point status
Alarms Step-by-Step Instructions

Displaying Point Alarms

This procedure is available to users with Read Only or higher access to alarms.

➢ From the Application toolbar, click (the Alarms icon).

• All points in alarm associated with your user access are displayed in the Alarms List tab.
• All points in the unacknowledged state associated with your user access are displayed in the Unack List tab.

The Alarms application displays 20 points per page. If Field Panel GO retrieves more than 20 points, additional pages can be viewed by clicking More.

This procedure is now complete.

When you are finished working with Alarms, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Acknowledging Alarm States

This procedure is only available to users with Command or higher access to alarms.

CAUTION:

If Alarm Notification is disabled, you should regularly check for new alarms by going to the Alarms application or clicking the Refresh button while viewing the Alarms application.

1. From the Application toolbar, click (the Alarms icon).
   - All points in alarm associated with your user access are displayed in the Alarms List tab.
   - All points in the unacknowledged state associated with your user access are displayed in the Unack List tab.

2. In the Name field, locate the point you want to acknowledge, and then check its corresponding box in the Select column.
   - Multiple points can be selected.
   - To select all unacknowledged points on the page, click Select All.

3. Click Ack to acknowledge all selected alarms.
   Field Panel GO updates the point data, and the point is removed from the Unack List.

This procedure is now complete.

When you are finished working with Alarms, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Chapter 4—Graphics Application

Chapter Overview

Chapter 4 discusses the following topics:

- Graphics Application Overview
  - User Interface Description for Graphics
- Graphics Step-by-Step Instructions
  - Commanding Points in Graphics
  - Viewing Graphics
Graphics Application Overview

The Field Panel GO Graphics application allows you to monitor points in your building and command them to new values through dynamic graphics.

The Field Panel GO Graphics application does not display point names based on the System, User namespace setting in the ALN/BLN user account. Graphics always display with the point name style that was used to define the graphic.

- The Field Panel GO Graphics application limits access to commanding a point on a graphic as follows:
  - The Field Panel GO user must be granted Command or higher access to the point in the ALN/BLN user account.
  - Field Panel GO users whose account setting for System, User namespace is set to System, can only command points that are defined in the Field Panel GO Graphics application as Point System Names.
  - Field Panel GO users whose account setting for System, User namespace is set to User, can only command points that are defined in the Field Panel GO Graphics application as Point Names.

The Building Automation Level Network (BLN) is now called the Automation Level Network (ALN). However, all firmware prompt strings continue to use the BLN abbreviation.

The following graphics are supported:

- One default graphic, which uses point information blocks to display building operations and is configured through the Field Panel GO Setup application.

- Up to ten custom graphics, which depict the overall structure of your facility and can be downloaded to Field Panel GO.

- TEC template graphics, which depict the points in a specific TEC and can be downloaded to Field Panel GO.

Field Panel GO only supports graphic backgrounds, point information blocks, arrows, and analog bars. Field Panel GO does not support links, associated points, animations, or picture controls.
User Interface Descriptions for Graphics

When you select the Graphics icon from the application toolbar, the Object Selector and Objects Retrieved List display in the left pane to let you select a graphic to view. The right pane of the application window displays the message **Please select a graphic from the object list to view.** Once a graphic is chosen, the selected graphic displays in the right pane.

The first time the Graphics application is opened during a Field Panel GO session, the Object Selector contains the following default search criteria:

- **Name** is disabled
- **Type** is set to Graphic
- **Panel** is disabled
- Show Subpoints is disabled

As you navigate to other applications, any selections made in the Graphics application Object Selector are maintained throughout the Field Panel GO session.

For the Graphics application, the Type drop-down list options includes **Graphic** and the appropriate FLN type.

If you change the Type to **TEC** or **LTEC**, the following search criteria are available:

- **Name** is enabled and set to *asterisk (*)
- **Type** is set to **TEC** if the field panel containing Field Panel GO Firmware supports P1 FLN devices
- **Type** is set to **LTEC** if the field panel containing Field Panel GO Firmware supports LonWORKS® FLN devices
- **Panel** is enabled and set to <All>
- Show Subpoints is disabled
Graphics Step-by-Step Instructions

Commanding Points in Graphics

**CAUTION:**
Command points only when you know the possible effects of making a change. Ideally, only command points when making temporary changes, such as setpoint changes, or when commanding modes of operation, such as DAY and NIGHT. It is inefficient to place a point in operator (OPER) command priority for long periods of time or permanently.

**Steps**

This procedure is only available to users with Command or higher access to the points you wish to command.

1. From the Application toolbar, click ![Graphics icon](image). The Object Selector and Objects Retrieved list display in the left pane, and the message Please select a graphic from the object list to view displays in the right pane.

2. Do one of the following:
   - To view the Default Graphic or a custom field panel graphic, select **Graphic** from the Object Selector Type drop-down list and click **Find now**. The Objects Retrieved list displays all available graphics.
   - To view a TEC template graphic, select **TEC** from the Object Selector Type drop-down list and click **Find now**. The Objects Retrieved list displays all available TECs.

   If more than 100 TECs are retrieved, you may need to click **More** to view additional TECs.

3. In the Objects Retrieved list, click the graphic or TEC that contains the point you want to command.

   Field Panel GO displays the selected graphic or TEC template graphic in the Application frame.

4. Continue with the steps for one of the following options:
   - Completing a Command for a Point with an Analog Bar
   - Completing a Command for a Point with a Point Information Block or Arrow
Completing a Command for a Point with an Analog Bar

1. Click and drag the analog bar for the point you want to command.
   
   A pop-up box displays the command value as you adjust the analog bar.

2. Release the analog bar to begin controlling the point with the new settings.

This procedure is now complete.

Completing a Command for a Point with a Point Information Block or Arrow

1. Click the point information block or arrow for the point you want to command.
   
   The system navigates to the Point Commander application and displays the point details for the selected point.

2. Make the necessary changes in the Commander window.

3. Click **Command** to accept your changes and begin controlling the point with the new settings. For more information, see the section **Commanding Point Values**.

This procedure is now complete.

**CAUTION:**

Remember to eventually release all commanded points to NONE priority so that the system is automatically controlled. Failure to release commanded points may lead to unexpected results.

Viewing Graphics

**Steps**

1. From the Application toolbar, click ![Graphics icon](image) (the **Graphics** icon).
   
   The Object Selector and Objects Retrieved list display in the left pane, and the message **Please select a graphic from the object list to view** displays in the right pane.

2. Do one of the following:
   
   - To view the Default Graphic or a custom field panel graphic, select **Graphic** from the Object Selector Type drop-down list and click **Find now**. The Objects Retrieved list displays all available graphics.
   
   - To view a TEC template graphic, select **TEC** from the Object Selector Type drop-down list and click **Find now**. The Objects Retrieved list displays all available TECs.
If more than 100 TECs are retrieved, you may need to click More to view additional TECs.

3. In the Objects Retrieved list, click the graphic or TEC you want to view.

Field Panel GO displays the selected graphic or TEC template graphic in the Application frame.

This procedure is now complete.

When you are finished working with Graphics, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Chapter 5–Point Commander Application

Chapter Overview

Chapter 5 discusses the following topics:

- Point Commander Application Overview
  - Tips for Using the Point Commander
  - User Interface Description for Point Commander
- Point Commander Step-by-Step Instructions
  - Commanding Point Values
  - Commanding a Point to Alarm
  - Disabling and Re-enabling a Point (Out of Service)
  - Disabling and Re-enabling Alarm Printing
  - Resetting Totalization
Point Commander Application Overview

CAUTION:
Command points only when you know the possible effects of making a change. Ideally, only command points when making temporary changes, such as setpoint changes, or when commanding modes of operation, such as DAY and NIGHT. It is inefficient to place a point in operator (OPER) command priority for long periods of time or permanently.

The Field Panel GO Point Commander application lets you manually control a point and override the pre-established automatic controls in a PPCL program or the Scheduler.

Under normal operating conditions, you should allow the APOGEE® Automation System to control your building through programs, such as PPCL, rather than relying on manual control. However, there may be special circumstances when you need to take temporary, manual control of building operations.

Commanding a point may be necessary under the following conditions:

- Troubleshooting a control strategy.
- Responding to an alarm that indicates a malfunctioning device.
- Managing run time totalization.
- Performing preventive maintenance tasks.

CAUTION:
Always follow standard safety procedures when performing maintenance tasks.

Tips for Using the Point Commander

- You can only command points if you have been given Command or higher access to the point.
  - Both analog and digital points can be commanded.
  - Generally, only output points can be commanded; however, LAI, LDI, or LPACI input points can be commanded if they are virtual points.
- The following objects cannot be commanded:
  - Physical input points.
  - Failed points.
  - EEPROM TEC subpoints.

EEPROM subpoints are not enclosed in braces; RAM subpoints are enclosed in braces { }. 
User Interface Description for Point Commander

When you select the Point Commander icon from the application toolbar, the Object Selector window displays in the left pane to let you select the point you want to command. After selecting a point to command, the Commander window displays in the right pane. The fields displayed in the Commander window depend on the type of point chosen (analog or digital).

The first time the Point Commander application is opened during a Field Panel GO session, the Object Selector contains the following default search criteria:

- Name is set to asterisk (*)
- Type is set to <All>
- Panel is set to <All>
- Show Subpoints is not selected

As you navigate to other applications, any selections made in the Point Commander application Object Selector are maintained throughout the Field Panel GO session.

The Physical Address(es), Command State, Totalization, and Command Options sections can be minimized or maximized by clicking the arrow on the right side of the title bar. After a Field Panel GO session ends, the Minimize/maximize selections are saved in a cookie on your computer.

The following fields, buttons, and check boxes are used in the Commander window:
1. Configuration Section

This section of the Command window displays the following point type attributes:

- **Name** displays either the point name or the point system name, which is the label that identifies a particular point in the database.
  - Each user account defines the type of name that is displayed in the interface. Those with User access see the point name. Those with System access see the point system name.
  - The following example illustrates a point name and a point system name:

  **Point name:** BUILDING1.AHU1.SPACETEMP  
  **Point system name:** B1A1ST

- **Descriptor** is an optional field that displays additional information for the point.
- **BLN** and **Field Panel** identify the ALN/BLN containing the field panel where the point resides.
- **Type** displays the type of the point selected in the Object Selector window.
- **Access** displays your ALN/BLN user account access to the point displayed.

The Building Automation Level Network (BLN) is now called the Automation Level Network (ALN). However, all firmware prompt strings continue to use the BLN abbreviation.

2. Physical Address(es) Section

Displays the address of physical points defined in the point database. For virtual points, **Virtual** is displayed.

3. Command State Section

This section of the Command window displays the following point status information:

- **Command Value** displays the current, or last commanded value for a digital or analog point.
  - For digital points, the value is displayed as a state (Off, On, Auto, Fast, and Slow).
  - For analog points, this value is displayed in engineering units (DEG F, GPM, and KWH).
- **Current Status** indicates the current condition of a logical point. This field can reflect two or more statuses.
- For example, the point may be in alarm (*A*) when someone commands the point through the interface (*O*). The status for the point would then be displayed as *OA*.
- This field does not reflect any of your changes until you click the Command button.

- **Current Priority** displays the current priority of the point.
  - The five point priorities, from lowest to highest priority, are: NONE, PDL, EMER, SMOKE, and OPER.

- **Command Priority** determines whether an operator or a particular control program is responsible for controlling the point.
  - The options in the Command Priority drop-down list are ranked from lowest priority (None) to highest priority (Operator).
  - The Command Priority drop-down list is only available to users with Command or higher access to the point.

4. **Totalization Section**

   - **LPACI and LENUM points cannot be totalized.**

   This section of the Command window displays the following point status information:

   - **Totalization Value** displays the current totalized run time for the selected point value or state.
     - Analog points have numeric values, identifying temperatures, positions, flow rate, etc. Digital points have states such as ON or OFF.
     - The Totalization value can be reset for each state of a point.
     - This field is used in conjunction with the Reset Totalization check box.
     - When a point is not totalized, the fields in this section are set to **NA**.

   - **Totalization Rate** is the interval being used by the system to track run time for the various states of the point.
     - The acceptable totalization rates are: hours, minutes, and seconds.

   - **Last Reset At** is the most recent date and time that the run time displayed in Totalization Value was changed.
5. Command Options Section

The check boxes in this section are only available to users with Command or higher access to the point.

This section of the Command window displays the following command options:

- When **Disable Alarm Printing** is selected, alarm reporting capabilities for the point are disabled, and the current status is set to *ODSB*.
- When **Alarm By Command** is selected, the system simulates an alarm condition for the point, and the current status is set to *AC*.
- When **Out Of Service/Disabled** is selected, a point is disabled from service, and the current status is set to *O*.
- The **Reset Totalization** check box is used in conjunction with the Totalization Value field.
  - When this check box is selected and the Totalization Value is changed, totalization restarts from the new value.

6. Command Status Section

The following table outlines the icons that display in the Status field:

<table>
<thead>
<tr>
<th>Point Commander Status</th>
<th>Icon Displayed</th>
</tr>
</thead>
<tbody>
<tr>
<td>The system is waiting for you to issue a command.</td>
<td>Ready</td>
</tr>
<tr>
<td>The command you issued was successful.</td>
<td>Success</td>
</tr>
<tr>
<td>The command you issued was not successful.</td>
<td>Error</td>
</tr>
</tbody>
</table>

7. Refresh and Command Buttons

- The **Refresh** button retrieves the current point information from the device and displays it in the application page.
- The **Command** button issues the command for the selected point using the specified values.
  - Once a command is issued, the Commander window remains open so that you can select and command another point.
Point Commander Step-by-Step Instructions

Commanding Point Values

Commanding a point means using the Point Commander to manually override the system program instructions for either an output point or a virtual input point. Point commanding changes the command priority from NONE to OPER, SMOKE, EMER, or PDL.

⚠️ This procedure is only available to users with Command or higher access to points.

Steps

1. From the Application toolbar, click (the Point Commander icon).
   
   The Object Selector and Objects Retrieved list display in the left pane, and the Commander window displays in the right pane.

2. Use the Object Selector to filter the options in the Objects Retrieved list. For more information, see the section Using the Object Selector.

3. In the Objects Retrieved list, click the point you want to command.
   
   The point details display in the Application frame.
   
   If more than 100 objects are retrieved, you may need to click Go To More to view additional objects and find the point you want.

4. Make the necessary changes in the Application frame. For more information about the fields available in the Commander window, see the section User Interface Descriptions for Point Commander.

5. Click Command to accept your changes and begin controlling the point with the new settings.
   
   The status of your command displays in the Command Status section.

This procedure is now complete.

When you are finished working with Point Commander, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).

⚠️ CAUTION:

Remember to eventually release all commanded points to NONE priority so that the system is automatically controlled. Failure to release commanded points may lead to unexpected results.
Commanding a Point to Alarm

Commanding a point to alarm means using the Point Commander to manually change a point status to Alarm; however, point priority does not change. When a point is commanded into Alarm, the point status displays *AC* on point logs and displays. This procedure is normally used to validate control sequences and troubleshoot equipment.

Steps

This procedure is only available to users with Command or higher access to points.

1. From the Application toolbar, click (the Point Commander icon).
   The Object Selector and Objects Retrieved List display in the left pane, and the Commander window displays in the right pane.

2. Use the Object Selector to filter the options in the Objects Retrieved list. For more information, see the section Using the Object Selector.

3. In the Objects Retrieved list, click the point you want to command.
   The point details display in the Application frame.
   If more than 100 objects are retrieved, you may need to click Go To More to view additional objects and find the point you want.

4. Under the Command Options section, do one of the following:
   - To change the point status to alarm, select Alarm By Command and click Command.
   - To take the point out of Alarm by Command, clear the Alarm By Command check box and click Command.

   The status of your command displays in the Command Status section.

This procedure is now complete.

When you are finished working with Point Commander, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Disabling and Re-enabling a Point (Out of Service)

Disabling a point means using the Point Commander to manually change a point status to Operator Disabled. Point priority does not change, and the value state cannot be changed by an interface terminal or PPCL statement until the point is re-enabled. When a point is disabled, the point status displays *O* on point logs and displays. This procedure is normally used to validate control sequences and troubleshoot equipment.

This procedure is only available to users with Command or higher access to points.

Steps

1. From the Application toolbar, click (the Point Commander icon).
   
   The Object Selector and Objects Retrieved List display in the left pane, and the Commander window displays in the right pane.

2. Use the Object Selector to filter the options in the Objects Retrieved list. For more information, see the section Using the Object Selector.

3. In the Objects Retrieved list, click the point you want to command.

   If more than 100 objects are retrieved, you may need to click Go To More to view additional objects and find the point you want.

4. Under the Command Options section do one of the following:
   
   • To disable the point select Out of Service / Disabled and click Command.
   
   • To re-enable the point, clear the Out of Service / Disabled check box and click Command.

   The status of your command displays in the Command Status section.

This procedure is now complete.

When you are finished working with Point Commander, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Disabling and Re-enabling Alarm Printing

Alarm printing is disabled through the Point Commander application. When alarm printing is disabled, all alarms for that point are suspended from printing, point priority does not change, and the point status displays *ODSB* on point logs and displays.

This procedure is only available to users with Command or higher access to points.

Steps

1. From the Application toolbar, click (the Point Commander icon).

   The Object Selector and Objects Retrieved List display in the left pane, and the Commander window displays in the right pane.

2. Use the Object Selector to filter the options in the Objects Retrieved list. For more information, see the section Using the Object Selector.

3. In the Objects Retrieved list, click the point for which you want to disable alarm printing.

   The point details display in the Application frame.

   If more than 100 objects are retrieved, you may need to click Go To More to view additional objects and find the point you want.

4. Under the Command Options section, do one of the following:

   - To disable alarm printing, select Disable Alarm Printing and click Command.
   - To reset the point to Normal status, clear the Disable Alarm Printing check box and click Command.

   The status of your command displays in the Command Status section.

This procedure is now complete.

When you are finished working with Point Commander, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Resetting Totalization

This procedure resets the totalized value of a point. The totalized value can be reset for either all states of the point, or one specific state. If you wish, the totalized value can be reset to a number other than zero.

This procedure is only available to users with Command or higher access to points.

Steps

1. From the Application toolbar, click (the Point Commander icon).
   The Object Selector and Objects Retrieved List display in the left pane, and the Commander window displays in the right pane.

2. Use the Object Selector to filter the options in the Objects Retrieved list. For more information, see the section Using the Object Selector.

3. In the Objects Retrieved list, click the point you want to reset. The point details display in the dialog box.
   If more than 100 objects are retrieved, you may need to click Go To More to view additional objects and find the point you want.

4. Do one of the following:
   - If you are resetting an analog point, continue with Step 5.
   - If you are resetting a digital point, select the point state you want to reset in the Command Value drop-down box.

5. Select the Reset Totalization check box.

6. Type the reset value in the Totalization Value field.
   For example, to reset the value to zero, type 0.

7. Click Command to reset the totalized values.
   The status of your command displays in the Command Status section.

This procedure is now complete.

When you are finished working with Point Commander, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Chapter 6–Trend Application

Chapter Overview

Chapter 6 discusses the following topics:

- Trend Application Overview
  - User Interface Description for Trend
- Trend Step-by-Step Instructions
  - Generating a Trend Data Report for a Single Point
  - Generating a Trend Data Report for Multiple Points
  - Printing a Trend Data Report

Trend Application Overview

The Trend application in Field Panel GO generates a Trend Data report for points being trended in a field panel. The amount of data in the report depends on the time and change in value experienced by the point, and the number of samples collected.

- From the Trend Data report, you can select a point name to navigate to the Point Commander application.
- The Print Report icon generates a printer-ready format of the report.

Field Panel GO can process only one Trend Data report at one time. If you attempt to start a second Trend Data report before the first is finished processing, the system automatically cancels the first report.

User Interface Description for Trend

When you select the Trend icon from the application toolbar, the Object Selector, which includes the Run Report button, displays in the left pane to let you select the point you want to view. Once the Run Report button is selected or a point is selected in the Objects Retrieved list, the Trend Data report is displayed in the right pane.

The first time the Trends application is opened during a Field Panel GO session, the Object Selector contains the following default search criteria:

- Name is set to asterisk (*)
- Type is disabled
- Panel is set to <All>
- Show Subpoints is not selected
As you navigate to other applications, any selections made in the Trend application Object Selector are maintained throughout the Field Panel GO session.

As shown in the following illustration, if more than one trend is defined for a point, data for both trend definitions displays in the Trend Data report.

The Field Panel GO Trend Data report includes the following information:

1. ALN/BLN name
2. Query used to generate the report
3. Point name and navigation to the Point Commander application
4. Trend definition type
5. Print Report icon
6. Date/time stamp
7. Sequence number, Date, Time, Value, Status, and Priority for each trend collection

The Building Automation Level Network (BLN) is now called the Automation Level Network (ALN). However, all firmware prompt strings continue to use the BLN abbreviation.
Trend Step-by-Step Instructions

Generating a Trend Data Report for a Single Trend Point

The procedures in this topic are available to users with Read Only or higher access to points.

1. From the Application toolbar, click (the Trends icon).
   The Object Selector and Objects Retrieved list display in the left pane, and the message Please select a point from the object list or supply a name pattern and execute report displays in the right pane.

2. In the Objects Retrieved List, click the point you want to use for the report.
   The message Please wait while the report is being loaded displays while the system generates a report for the selected point.
   You can navigate to other applications while the system is generating a Trend Data report.
   If you need to cancel a Trend Data report, either start a new Trend Data report or log off Field Panel GO.

Generating a Trend Data Report for Multiple Trend Points

When you click Run Report in the Trends application, the Panel and Show Subpoints inputs of the Object Selector search criteria are ignored.

1. From the Application toolbar, click (the Trends icon).
   The Object Selector and Objects Retrieved list display in the left pane, and the message Please select a point from the object list or supply a name pattern and execute report displays in the right pane.

2. Do one of the following:
   • To select all network points being trended, continue with Step 3.
   • To select a specific group of points, enter the search criteria in the Name field.
     Wildcards can be used in this field to represent one of more characters in the point name.
3. In the Object Selector, click (the Run Report button).

   The message **Please wait while the report is being loaded** displays while the system generates a report.

   You can navigate to other applications while the system is generating a Trend Data report.

   If you need to cancel a Trend Data report, either start a new Trend Data report or log off Field Panel GO.

**Printing a Trend Data Report**

Do not use the browser print feature for printing Field Panel GO reports.

- Once the Trend Data report is generated, click (the Print icon) in the upper right corner of the application page.

   The system generates a printer-ready format of the report and opens the print dialog box.
Chapter 7–Scheduler Application

Chapter Overview

Chapter 7 discusses the following topics:

- Scheduler Application Overview
  - User Interface Description for Scheduler
  - The Schedule Properties Window
  - The Schedule Override Window

- Scheduler Step-by-Step Instructions
  - Viewing a Mode Schedule Entry
  - Modifying Properties of a Mode Schedule
  - Enabling or Disabling a Mode Schedule Entry
  - Adding or Modifying a Mode Schedule Override
  - Deleting a Mode Schedule Override
Scheduler Application Overview

The Field Panel GO Scheduler application allows you to view and modify properties of a mode schedule or override a mode schedule on a selected date.

A *mode schedule* defines how the equipment in a zone functions during a specific period of time. At all times, the zone is in a specific mode of operation and controls the equipment accordingly. When a mode schedule change occurs, the equipment receives a new set of commands that redefine the control for the zone. Other applications monitoring the mode value of the zone (specifically PPCL programs) also process the change.

The following attributes of an existing mode schedule may be modified through the Schedule Properties window:

- Enable/disable status of the mode schedule
- Scheduled start date and end date
- Starting time and ending time
- Day span value
- Frequency schedule (one time, daily, weekly, working days, or custom weekly)
- Occupancy mode

In addition, the Schedule Properties window allows you to enable or disable an existing mode schedule on a specific date, which adds or removes an override on that specific date.

Additional overrides can be made for a specific date to change the starting time, ending time, and day span values of a mode schedule entry. The actual mode schedule definition does not change; only the control values used by the mode schedule for the specific date are changed.

User Interface Description for Scheduler

When you select the Scheduler icon from the application toolbar, the Daily Schedule displays in the left pane, and the Monthly Calendar and View Schedules by Filter menu display in the right pane.

- Use the Monthly Calendar to select a specific date and display the schedule for that date in the left pane.
- Use the View Schedules by Filter menu to filter the zones displayed in the Daily Schedule.

The first time the Scheduler application is opened during a Field Panel GO session, the following default settings are displayed:

- In the View Schedules by Filter menu, **Zone Name** is set to asterisk (*)
- All zones are displayed in the Daily Schedule.
After a Field Panel GO session ends, any filters set in the Scheduler application are saved in a cookie on that computer.

1. Daily Schedule

The Daily Schedule displays the mode schedule entries for the selected date. Whenever you navigate to the Scheduler application, the schedule for the current date is displayed.

Mode Schedule Entry Display

- Mode schedule entries display in the timetable as a solid column that contains the following information:
  - Start time
  - Stop time
  - Zone name
  - Override icon (\(^\text{\text{Of}}\) or \(^\text{\text{Up}}\))
  - Mode
- If a mode schedule entry is disabled, the column in the daily schedule is shaded.
- If a mode schedule entry has been overridden, the override icon is highlighted.
- If a mode schedule entry spans more than one day, \(<<->>\) is displayed instead of a start time and stop time.

2. Monthly Calendar

Allows you to navigate to a specific date.
3. View Schedules by Filter Menu

The View Schedules by Filter menu allows you to enter a zone name as part of the filter criteria. Wildcards can be used in this field to represent one or more characters in the zone name.

- The default entry for this field is an asterisk (*), which selects all zones.
- The two wildcard characters available are:
  - The asterisk (*), which can represent multiple characters in the zone name.
  - The question mark (?), which replaces only one character in the zone name.

The Schedule Properties Window

When you click the zone name in a mode schedule entry, the Schedule Properties window opens and displays the following information:

1. Schedule Section

This section of the Schedule Properties window displays the following information:

- **Zone Name** identifies a building space and the associated equipment that is controlled by a group of points over time.

- **Status** indicates if the default state of the mode schedule entry is enabled or disabled.

The **Enabled** check box in the Schedule Properties window applies to all dates of the mode schedule. The Enable and Disable buttons in the Schedule Properties window are used to enable or disable specific days in the mode schedule.
2. **Scheduled Date Section**

   Displays the start date for the selected mode schedule entry.

3. **Duration Section**

   This section of the Schedule Properties window displays the following information:
   - **Start Time** and **End Time** displays the range of time when the system operates in the scheduled mode.
   - **Span** defines if the mode schedule operates over multiple days.

4. **Repetition Section**

   Displays the days of the week that the selected mode schedule is active and the end date for the selected mode schedule.

5. **Zone Information Section**

   This section of the Schedule Properties window displays the following information:
   - **Mode** displays the operating sequence that the system is using for controlling equipment.
   - **Start/Stop Time Optimization (SSTO)** indicates the current status of the SSTO routine. SSTO is an optional, self-adjusting zone optimization routine that affects the start and stop times of various modes.

6. **Modify Schedule Section**

   This section of the Schedule Properties window displays the following information:
   - The **Save** button saves your mode schedule changes and closes the Schedule Properties window.
   - The **Close** button closes the Schedule Properties window.

7. **Modify Schedule Instance Section**

   This section of the Schedule Properties window displays the following information:
   - The **Enable** and **Disable** buttons enable or disable specific days in the mode schedule, and closes the Schedule Properties window.
   - The **Override** button closes the Schedule Properties window and opens the Schedule Override window to let you enter override information for the selected mode schedule entry.
The Schedule Override Window

When you click the override icon in a mode schedule, the Schedule Override window opens and displays the following information:

1. Schedule Section

This section of the Schedule Override window displays the following information:

- **Name** indicates the zone that is operating in the override mode.
- **Date** displays the start date for the mode schedule override.

2. Duration Section

This section of the Schedule Override window displays the following information:

- **Start Time** and **End Time** display the range of time when the system operates in the override mode.
- **Span** defines if the override mode should continue into multiple days.

3. Remove Override Button

Resets the entries in the Start Time, End Time, and Span fields to the original mode schedule entry settings.

4. Save and Close Buttons

- The **Save** button saves your mode schedule override changes and closes the Schedule Override window.
- The **Close** button closes the Schedule Override window.
Scheduler Step-by-Step Instructions

The Building Automation Level Network (BLN) is now called the Automation Level Network (ALN). However, all firmware prompt strings continue to use the BLN abbreviation.

Viewing a Mode Schedule Entry

This procedure is available to ALN/BLN user accounts with Read Only or higher access to the Equipment Scheduler.

Steps

1. From the Application toolbar, click (the Scheduler icon).

   The Daily Schedule displays in the left pane, and the Monthly Calendar and View Schedules by Filter menu display in the right pane.

2. If desired, type a zone name in the View Schedules by Filter menu and click Apply Filter.

3. If you want to view the mode schedule entry for a different date, click the date in the Monthly Calendar.

4. If you want to view additional information, do any of the following:
   - To view the mode schedule entry properties, click the zone name in the Daily Schedule.
   - To view the mode schedule entry override information, click (the override icon) in the Daily Schedule.

      The override icon is highlighted only if the mode schedule entry has been overridden.

This procedure is now complete.

When you are finished working with Scheduler, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Modifying Properties of a Mode Schedule Entry

This procedure is only available to BLN user accounts with Command or higher access to the Equipment Scheduler.

Steps

1. From the Application toolbar, click (the Scheduler icon).
   The Daily Schedule displays in the left pane, and the Monthly Calendar and View Schedules by Filter menu display in the right pane.

2. If desired, type a zone name in the View Schedules by Filter menu and click Apply Filter.

3. In the Monthly Calendar, click a date that contains the mode schedule entry to be modified.
   The current date is automatically displayed when you navigate to the Scheduler application.

4. In the Daily Schedule, click the zone name for the mode schedule entry you want to update.
   The Schedule Properties window displays.

5. Edit any of the following fields:
   - Enabled status
   - Scheduled start date or end date
   - Starting time or ending time
   - Day span value
   - Frequency schedule (one time, daily, weekly, working days, or custom weekly)
   - Occupancy mode

6. Do one of the following:
   - Click Save to save your changes.
   - Click Close to cancel your changes and continue operating with the existing mode schedule entry.

   The Schedule Properties window closes and the Daily Schedule displays the changes made to the mode schedule entry.

This procedure is now complete.

When you are finished working with Scheduler, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Enabling or Disabling a Mode Schedule Entry

This procedure enables or disables the mode schedule entry on a specific date, which may result in adding or removing a mode schedule override. Disabling a mode schedule entry prevents the application from performing the specified control functions on a specific date. Enabling a mode schedule entry allows the system to operate according to the defined control functions on a specific date.

This procedure is only available to ALN/BLN user accounts with Command or higher access to the Equipment Scheduler.

Steps

1. From the Application toolbar, click (the Scheduler icon).
   The Daily Schedule displays in the left pane, and the Monthly Calendar and View Schedules by Filter menu display in the right pane.

2. If desired, type a zone name in the View Schedules by Filter menu and click Apply Filter.

3. In the Monthly Calendar, click the date that contains the mode schedule entry you want to enable or disable.
   The current date is automatically displayed when you navigate to the Scheduler application.

4. In the Daily Schedule, click the zone name for the mode schedule entry you want to update.
   The Schedule Properties window displays.

5. Do one of the following:
   • To enable the mode schedule entry for the selected date, click Enable.
   • To disable the mode schedule entry for the selected date, click Disable.

   The Schedule Properties window closes and the Daily Schedule displays the new status of the mode schedule entry.

This procedure is now complete.

When you are finished working with Scheduler, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Adding or Modifying a Mode Schedule Override

This procedure adds an override to a mode schedule entry or modifies an existing mode schedule override in the Field Panel GO Scheduler application.

The procedures in this topic are only available to BLN user accounts with Command or higher access to the Equipment Scheduler.

Steps

1. From the Application toolbar, click (the Scheduler icon).
   The Daily Schedule displays in the left pane, and the Monthly Calendar and View Schedules by Filter menu display in the right pane.

2. If desired, type a zone name in the View Schedules by Filter menu and click Apply Filter.

3. In the Monthly Calendar, click the date that contains the mode schedule you want to override or the mode schedule override you want to modify.
   The current date is automatically displayed when you navigate to the Scheduler application.

4. In the Daily Schedule, click (the Override icon) for the mode schedule entry you want to update.
   The Schedule Override window displays.

5. Edit the Start Time, End Time, and Span fields.

6. Do one of the following:
   - Click Save to save your changes.
   - Click Close to cancel your changes and continue operating with the existing mode schedule entry.

   The Schedule Override window closes and the Daily Schedule displays the changes made to the mode schedule entry.

This procedure is now complete.

When you are finished working with Scheduler, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Deleting a Mode Schedule Override

This procedure removes a mode schedule override from the Field Panel GO Scheduler application. Deleting an override returns system operations to the original control functions of the mode schedule entry.

This procedure is only available to ALN/BLN user accounts with Command or higher access to the Equipment Scheduler.

Steps

1. From the Application toolbar, click (the Scheduler icon).
   The Daily Schedule displays in the left pane, and the Monthly Calendar and View Schedules by Filter menu display in the right pane.
2. If desired, type a zone name in the View Schedules by Filter menu and click Apply Filter.
3. In the Monthly Calendar, click the date that contains the mode schedule override you want to delete.
   The current date is automatically displayed when you navigate to the Scheduler application.
4. In the Daily Schedule, click (the Override icon) for the mode schedule entry you want to update.
   The Schedule Override window displays.
5. Click Remove Override to reset the fields to the original control settings.
6. Do one of the following:
   - Click Save to save your changes.
   - Click Close to cancel your changes and continue operating with the mode schedule override in place.
   The Schedule Override window closes and the Daily Schedule displays the changes made to the mode schedule entry.

This procedure is now complete.

When you are finished working with Scheduler, you may either go to another application by clicking the icon in the toolbar or log off by clicking (the Log off icon).
Chapter 8–Reports Application

Chapter Overview

Chapter 8 discusses the following topics:

- Reports Application Overview
  - User Interface Description for Reports
- Reports Step-by-Step Instructions
  - Generating a Point Log Report for a Single Point
  - Generating a Point Log Report for Multiple Points
  - Printing a Point Log Report
Reports Application Overview

The Reports application in Field Panel GO displays a Panel Point Log report for points in the database. The report can display all points on the network, or the Object Selector may be used to filter the report and display only selected points.

- From the Panel Point Log report, you can select a point name to navigate to the Point Commander application.
- The Print Report icon generates a printer-ready format of the report.

Field Panel GO can process only one Panel Point Log report at one time. If you attempt to start a second Panel Point Log report before the first is finished processing, the system automatically cancels the first report.

User Interface Description for Reports

When you select the Reports icon from the application toolbar, the Object Selector, which includes the Run Report button, displays in the left pane to let you select the point you want to view. Once the Run Report button is selected or a point is selected in the Objects Retrieved list, the Panel Point Log report is displayed in the right pane.

The first time the Reports application is opened during a Field Panel GO session, the Object Selector contains the following default search criteria:

- **Name** is set to asterisk (*)
- **Type** is set to <All>
- **Panel** is set to <All>
- **Show Subpoints** is not selected

As you navigate to other applications, any selections made in the Reports application Object Selector are maintained throughout the Field Panel GO session.
The Field Panel GO Panel Point Log report includes the following information:

1. ALN/BLN name
2. Query used to generate the report
3. Point name and navigation to the Point Commander application
4. Print Report icon
5. Date/time stamp

The Building Automation Level Network (BLN) is now called the Automation Level Network (ALN). However, all firmware prompt strings continue to use the BLN abbreviation.

Reports Step-by-Step Instructions

Generating a Point Log Report for a Single Point

The procedures in this topic are available to users with Read Only or higher access to points.

1. From the Application toolbar, click (the Reports icon).
   The Object Selector and Objects Retrieved list display in the left pane, and the message Please select a point from the object list or supply a name pattern and execute report displays in the right pane.
2. In the Objects Retrieved List, click the point you want to use for the report.
   You can navigate to other applications while the system is generating a Panel Point Log report.
   If you need to cancel a Panel Point Log report, either start a new Panel Point Log report or log off Field Panel GO.
Generating a Point Log Report for Multiple Points

When you click Run Report in the Reports application, the Panel, Type, and Show Subpoints inputs of the Object Selector search criteria are ignored.

1. From the Application toolbar, click (the Reports icon).
   The Object Selector and Objects Retrieved list display in the left pane, and the message Please select a point from the object list or supply a name pattern and execute report displays in the right pane.

2. Do one of the following:
   - To select all points on the network, continue with Step 3.
   - To select a specific group of points, enter the search criteria in the Name field.
     Wildcards can be used in this field to represent one of more characters in the point name.

3. In the Object Selector, click (the Run Report button).
   The message Please wait while the report is being loaded displays while the system generates a report.
   You can navigate to other applications while the system is generating a Panel Point Log report.
   If you need to cancel a Panel Point Log report, either start a new Panel Point Log report or log off Field Panel GO.

Printing a Point Log Report

Do not use the browser print feature for printing Field Panel GO reports.

Once the Panel Point Log report is generated, click (Print icon) in the upper right corner of the application page.

The system generates a printer-ready format of the report and opens the print dialog box.
Chapter 9–Troubleshooting

This section discusses troubleshooting procedures for Field Panel GO. Select a troubleshooting topic from the following list and then follow the instructions for that topic. If the steps do not help resolve your problem, contact your local Siemens representative.

- Log On Error Messages
- Connection Errors
- Slow System Response Time
- Field Panel GO Display and Settings
- Graphics
  - Default Graphic
  - Custom Graphics
  - TEC Templates
- Reports and Trend

The Building Automation Level Network (BLN) is now called the Automation Level Network (ALN). However, all firmware prompt strings continue to use the BLN abbreviation.
Log On Error Messages

**Account expired**

The user name and password entered are valid for an ALN/BLN user account, but the password is expired. You will not be allowed to log on to Field Panel GO until the password is changed through the MMI terminal.

**Account is locked**

Three or more logon attempts have been made with an incorrect password to an ALN/BLN user account that expires. Contact your system administrator to unlock your account.

**FAILED**

At least one character must be entered in the User Name field and at least three characters must be entered in the Password field before clicking Logon. Enter the correct information in the User Name and Password fields.

**Invalid password**

The password entered is incorrect for the user name. Enter the correct information in the User Name and Password fields. The account will be locked if an incorrect password is entered more than three times.

**Invalid user id**

The user name entered does not correspond with an ALN/BLN user account. Enter the correct information in the User Name and Password fields.

**Maximum web server users reached**

Only two users may be logged on to Field Panel GO at the same time.

**No web server access**

The user name and password entered are valid for an ALN/BLN user account, but you have not been granted any user account privileges for the applications available through Field Panel GO.
Connection Errors

You cannot connect to the field panel using Internet Explorer

Any of the following may be the problem:

1. Power is not supplied for all devices.
2. Your crossover cable or your hub and cables are connected incorrectly.
3. The IP address and subnet mask on the computer and field panel are set incorrectly.
   • For more information on setting the field panel network connections, see the start-up procedures for the Ethernet field panel you are installing or contact your local Siemens representative.
   • For more information on setting your computer's network connections, see the Help for your computer's operating system.

You cannot connect to the field panel using FTP client.

Any of the following may be the problem:

1. Power is not supplied for all devices.
2. Your crossover cable or your hub and cables are connected incorrectly.
3. The IP address and subnet mask on the computer and field panel are set incorrectly.
   • For more information on setting the field panel network connections, see the start-up procedures for the Ethernet field panel you are installing or contact your local Siemens representative.
   • For more information on setting your computer's network connections, see the Help for your computer's operating system.
4. The Telnet setting on the field panel is not enabled. Do the following to enable Telnet:
   a. Enter the terminal mode and log on to the field panel containing Field Panel GO firmware.
   b. From the MMI main menu, type the following letters in sequence:
      S (System), H (Hardware), E (Ethernet), T (Telnet)
   c. At the Enable, Disable? prompt, type E to enable Telnet.
      The message Command successful displays.
Slow System Response Time

If the system takes a long time to refresh or display information, do the following:

- In the Setup application, change any of the following settings to reduce network traffic:
  - Increase the Alarm Notification Interval or set Alarm Notification to OFF.
  - Select the Manual Refresh Mode for the graphics application.
  - Increase the Graphics Update Interval for the graphics application.
- Verify that all other field panels on the ALN/BLN contain Firmware Revision 2.6 Build 9.45 or later.

Field Panel GO Display and Settings

Graphics don't display, language options are not available, and Field Panel GO setup displays the default settings.

The field panel may have coldstarted. Use one of the following tools to restore the Field Panel GO files:

- Insight® Revision 3.7 or Datamate Advanced Revision 3.7. For more information, see the user documentation for these tools.
- Any available FTP client tool. When logging on to the Field Panel GO FTP server, use an ALN/BLN user account name and password.

See the section Backing up and Restoring Files for information on restoring the Field Panel GO files to the correct directories.

Graphics don't display and the Internet Explorer status bar message “java applet loading” does not clear.

Either the Microsoft® Java Virtual Machine (MSJVM) is not loaded on your computer, or your computer settings must be changed to allow Java applets to run. See the section Configuring the Microsoft Java Virtual Machine for more information.
Default Graphic

Nothing displays when the Default Graphic is selected in the Objects Retrieved List.

Points must be added to the Default Graphic through the Setup application. See the section Configuring the Default Graphic for more information.

The Default Graphic does not display a point information block for all points in the Default Graphic Points List.

The Default Graphic Size selection in the Setup application determines how many point information blocks display in the Default Graphic. The Default Graphic Points List contains more points than the Default Graphic size can display. In the Setup application, either decrease the Default Graphic Size or remove some points from the Default Graphic Points List.

Custom Graphics

A custom graphic was added to the Field Panel GO file system, but it is not displayed in the Object Selector.

- Field Panel GO supports only ten custom graphics. If more than ten custom graphic files were saved to the \graphics directory, Field Panel GO selects the first ten files in alphabetical order by file name.
- Verify that the xml and jpg files were saved to the following directories:
  - Graphic definition xml files must be downloaded to the \graphics directory.
  - Background jpg files must be downloaded to the \backgrounds directory.

Point names are missing from a custom graphic that was exported for Field Panel GO.

- When graphics are exported for Field Panel GO, the point names in the graphic are compared to the point names in the database. If a point name is not in the database, it is removed from the graphic.
TEC Templates

An error message displays when a TEC is selected in the Objects Retrieved List.

- Verify that the TEC template definition xml files were downloaded to the \textit{tectemplates} directory.
- Verify that the application ID number was used as the file name for TEC template graphics.
- Verify that the background jpg files were downloaded to the \textit{backgrounds} directory.

See the section \textit{Adding Custom Graphics and TEC Template Graphics} for more information.

Reports and Trend

Large Point Log Reports and Trend reports do not display.

The Point Log Report and Trend Report applications are dependent on how much space is available in the field panel’s file system. If processing a report will exceed the available space in the file system, the report will not display.

If the panel’s file system limit has been reached, do any of the following to create more available space for large Point Log reports or Trend reports:

- Use query strings to reduce the size of the generated report.
- Check the \textit{graphics}, and \textit{backgrounds} directories for unused graphic files that can be deleted.
Index

A
acknowledging alarm states .......................... 3-6
adding
  custom graphics ..................................... 2-17
  language translation files .......................... 2-11
  mode schedule override ............................. 7-10
  TEC template graphics .............................. 2-17
alarmpable points ..................................... 3-1
autologoff disabled ................................. 2-6
automatic log off ..................................... 1-5

B
backing up Field Panel GO files .................... 2-19

C
canceling a report .................................... 6-1
commanding points ................................. 4-4, 5-2, 5-7, 5-8
configuring
  default graphic ..................................... 2-15
  Java Virtual Machine (JVM) .......................... 1-3
  language options .................................... 2-11
controlling network traffic ......................... 2-8
custom graphics
downloading to Field Panel GO ..................... 2-17

default graphic ..................................... 2-15
deleting
  mode schedule override ............................ 7-11
disabling
  alarm printing ..................................... 5-10
  mode schedule ....................................... 7-9
  point ................................................. 5-9
downloading
  configuration file ................................... 2-19
  custom graphics .................................... 2-17
  language translation files .......................... 2-11
  TEC template graphics .............................. 2-17

E
enabling
  alarm printing ...................................... 5-10
  mode schedule ...................................... 7-9
  point ............................................... 5-9
  Telnet .............................................. 9-1

G
generating reports
  point log ............................................. 8-3
generating trend reports
  multiple points ..................................... 6-3
  single point ....................................... 6-3
graphics
  viewing .............................................. 4-5

H
header image transition ............................... 2-9

I
icons
description ........................................... 1-6

J
Java Virtual Machine (JVM) ......................... 1-3

L
language options ..................................... 2-11
logging off .......................................... 1-5, 2-6
logging on .......................................... 1-4

M
managing user accounts ............................ 2-5, 2-6
mode schedule
  adding an override ................................. 7-10
  deleting an override ............................... 7-11
  disabling an entry .................................. 7-9
  enabling an entry ................................... 7-9
  modifying an override ............................. 7-10
  modifying properties .............................. 7-8
  viewing an entry .................................... 7-7
modifying
  mode schedule entry properties .................. 7-8
  mode schedule override ......................... 7-10

N
number of users on Field Panel GO .................. 2-6

O
Object Selector
description ......................................... 1-8
using .................................................. 1-8
objects retrieved list
description ........................................... 1-6
P
point information blocks (PIBs) .................... 2-15
point log report ........................................ 8-2, 8-3
printing reports ........................................ 6-3, 6-4, 8-3

R
reducing network traffic .................................. 2-8
restoring Field Panel GO files ...................... 2-19

S
scheduler
  step-by-step ........................................ 7-7, 7-8, 7-9, 7-10
scheduler ..................................................... 7-2
setup
  alarm notification ..................................... 2-10
  custom graphics ....................................... 2-17
  default graphic ....................................... 2-15
  graphics display options ................................ 2-14
  language translation files ........................... 2-11
  point information blocks (PIBs) ................... 2-15
  TEC template graphics ................................ 2-17
  user access ............................................. 2-5
  slideshow in header .................................... 2-9
system
  security ............................................... 2-4

T
TEC template graphics
  downloading to Field Panel GO .................... 2-17
Telnet ....................................................... 2-4
trend report ....................................... 6-1, 6-3, 6-4
troubleshooting ........................................ 9-1

U
user interface description
  alarms ................................................... 3-2
  graphics ................................................. 4-3
  point commander ....................................... 5-3
  reports .................................................. 8-2
  scheduler ............................................... 7-2
  setup ..................................................... 2-8
trend ..................................................... 6-1

W
wildcards ................................................ 1-8, 7-2
Windows FTP client .................................... 2-19