

SIEMENS



MK8000 MP4.20-01 OPC server for subsystems



Release Notes

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1 Introduction

DMS8000 software **MP4.20-01** is now available for MM8000, MK8000, MT8001, and NK8000 products.

These release notes provide the characteristics of the new MK8000 software, including bug corrections and known issues. We recommend reading this document carefully before installing and using the software.

1.1 What's new in MP4.20.01 releases

NK8000

- Support for new NK8232 and NK8235 units.
In this version, the new units behaves exactly as NK8222 and NK8225, respectively. The following limitations applies to this release:
 - No LON and CS6 Guarto support.
 - BACnet upstream connectivity is not available.
 - Network-wide interactions are not supported.
 - No support for local I/O (DF8020 and DF8040) on the local I²C bus.
 - No support for XLS fire control unit.

1.2 What's new in MP4.20 releases

New connectivity

- FS20 MP2.1 fire systems over BACnet/IP
- Cerberus PRO FS720 MP1XS fire systems over BACnet/IP
- SPC6000 MP1.1 intrusion control unit
- SiPass MP2.50 access control system, including Entro devices: ACC-lite, DC12/DC22, DC800, PD30/40, IOR6.
- Latest SISTORE models (see below)

Operating System

- Support for Windows Server 2008 SP1

Composer and configuration tools

- Keyboard shortcuts to insert and copy/paste nodes as well as for selecting panes.

NK8000

- Support for new NK8232 and NK8235 units. In general, in this version, the new units behave as NK8222 and NK8225 respectively.
→ See availability information in NK8000 MP4.20 Release Notes.

Miscellaneous

- Various improvement to the OPC models as documented in the interface specifications listed in section 4.3.1 at p.13.

Software License

- New MP4.20 license is required

1.3 MP4.20-01 defect corrections

Here below is the list of defects corrected in MP4.20-01.

ID	Found in	Module	Description	Help desk ID
FSP00067832	MP4.15-01	CZ10 Composer tool	CZ10 Integration: increase limit of devices per loop from 50 to 60 (for MXL/Smartlink 4 support with CZ10 emulation. Also repaired in <i>MM8000 MP 4.20 - Hotfix #05 and Hotfix#08</i>	-
FSP00072146	MP4.20	Documentation	MK8000 tag not found in OPC specs documentation for SI410 (INNOCKGE). Also repaired in <i>MM8000 MP 4.20 - Hotfix #14 and in Hotfix #06</i>	176478
FSP00074137	MP4.15-01; MP4.20	Documentation	MK8000 tag not found in OPC specs documentation for CS11 EP7 (HWDADCAD, HWNODCCO, HWDALICGE, FIDEDEAD). Also repaired in <i>MM8000 MP 4.20 - Hotfix #14</i>	184910
FSP00074600	MP4.20	Documentation	MK8000 tag not found in OPC specs documentation for CS6 (UDUDAPMN, INNOARGE). Also repaired in <i>MM8000 MP 4.20 - Hotfix #14</i>	187252
FSP00074635	MP4.20	MK7022 Composer tool	Support for MK7022 local addresses above 832. Also repaired in <i>MM8000 MP 4.20 - Hotfix #16</i>	186757
FSP00076315	MP4.20	NK8000	NK8000 SETUP does not include CNAP converter DLL. This causes a fault in the NK8000 Network Driver startup.	-
FSP00073231	MP4.20	NK8000	Troubles with NK8225 FW MP4.20 Build 04 in large configurations (BigFoot testing). Also repaired in <i>MM8000 MP 4.20 - Hotfix #04</i>	179271
FSP00073226	MP4.20	XNet Composer tools	XNET integration with both MM8000 and MT8001 does not work properly. Also repaired in <i>MM8000 MP 4.20 - Hotfix #12 (and in Hotfix#03)</i>	-
FSP00074200	MP4.20	XNet Composer tools	It is required to import modules, sub-modules and devices objects for Xnet subsystem. Also repaired in <i>MM8000 MP 4.20 - Hotfix #12</i>	185324

1.4 MP4.20 defect corrections

Here below is the list of defects corrected in MP4.20.

ID	Found in	Module	Description
FSP00067273	MP3.20-04	CC60	The CC60 vitality message generates an error log in the event viewer.
FSP00067283	MP3.20-04	Composer	Occasional CS6 import procedure failures.
FSP00063685	MP4.10-02	Composer	Poor Composer performance in linking subsystems to the NS8210 driver.
FSP00067275	MP4.10-02	Composer	Restoring 3.20 projects: error detected while reading data from Server.
FSP00067277	MP4.10-02	Composer	Composer Search function does not work.
FSP00067279	MP4.10-02	Composer	Composer erroneously reports a "Last User action failed" error copying operating procedures with a sub-tree folder.
FSP00067308	MP4.10-02	Composer	Composer starts even if Keys or PAKs are not present.
FSP00066671	MP4.15	Composer	The STT11 import procedure does not work properly.
FSP00066936	MP4.15	Composer	Occasional Composer crash (efeC2 MFC Application fault).
FSP00067072	MP4.15	Composer	Composer configuration for FS20: SiB-X import sometimes fails.
FSP00066081	MP4.15	Composer	Re-import of SI410 configuration: points get linked to the wrong geographical tree object.
FSP00067289	MP4.15	Composer	Occasionally, download activation may hang.
FSP00067317	MP4.15	Composer	Occasional Composer client crashes.

ID	Found in	Module	Description
FSP00067348	MP4.15	Composer	Composer very slow in linking and expanding large SiPass doors tree.
FSP00067378	MP4.15	Composer	NS8210: Problems with incremental download
FSP00067383	MP4.15	Composer	NK822x Composer tool performs a check that is not required when linked to NS8012 driver.
FSP00067390	MP4.15	Composer	On some Marathon-based installation, Composer does not always start properly.
FSP00068751	MP4.15	Composer	The Composer fails to handle maps in projects from previous versions.
FSP00066372	MP4.15	Composer	Composer alignment of SiPass no longer possible.
FSP00068848	MP4.15-01	Composer	Composer slows down in case of large configurations.
FSP00068636	MP4.15-01	Composer	Problems in downloading specific projects.
FSP00070478	MP4.15	Composer	"Out of scan" points erroneously exported in the CSV file.
FSP00067297	MP4.15	Composer, FS20	The order with which you can "tab" through the BACnet Parameters of the driver is not sequential.
FSP00067375	MP4.15	Composer, License	After the warning message about Service key expiration, Composer does not start properly.
FSP00067274	MP3.20-04	CS11	CS11 Import procedure: in some cases, zones with structure 1699 should be imported.
FSP00067268	MP3.20-04	CS11	Error in CC11 re-import procedure using the same import file.
FSP00065227	MP4.15	CS11	Anomaly event required when an interactive AlgoRex board is excluded.
FSP00069668	MP4.15-01	CS11	CS11 EP7: import of Sinteso detectors does not work correctly
FSP00067380	MP4.15	CS4	CS4 configuration: import procedure fails to import a CS4 list-file.
FSP00067326	MP4.10-02	CS6	The move function of a CS6 zone causes the deletion of the link in the map
FSP00067343	MP4.15	Documentation	Various user documentation defects and feedbacks from training sessions.
FSP00067379	MP4.15	Documentation, MK8000	Error in "FC20 MK8000 Interface Spec" document.
FSP00067386	MP4.15	Documentation, MK8000	Error in "SIMATRIX Integrated MK8000 Interface Spec" document.
FSP00065576	MP4.15	FS20	Status of FDCIO222/223 not always clear.
FSP00065583	MP4.15	FS20	FS20 Sprinkler Alarm not correctly shown on MM8000.
FSP00067394	MP4.15	FS20	FS20 Technical alarm cannot be reset.
FSP00067374	MP4.15	License	Wrong subsystem and point license calculation with points set as "Out of scan".
FSP00067303	MP4.10-02	License Key	Double hardware key support.
FSP00063687	MP4.15	License Key	Occasional errors in reading the hardware key.
FSP00064123	MP4.15	Line Monitor	Line Monitor error.
FSP00067281	MP4.15	Line Monitor	Line monitor application does not support NS8011/BACnet.
FSP00067364	MP4.15	MK8000	MK8000 - Export wizard does not work in case the monitor folder is present.
FSP00065366	MP4.15	MK8000, CS11	Support for status propagation of Zones to Sections.

ID	Found in	Module	Description
FSP00065593	MP4.10-02	MK8000, CS6, CS4	In MK8000, missing lock supervision status for CS6 and CS4.
FSP00069592	MP4.15	MK8000, License	Troubles with Product channel license for MK8000 stand alone.
FSP00067315	MP4.10-02	NK8000	Web Server does not show correct information.
FSP00067401	MP4.10-02	NK8000	Troubles with "Keep Alive" watchdog
FSP00067267	MP4.10-02	NK8000	Changing the settings of NK82xx communication protocols may not result in the configuration download tick being removed.
FSP00067834	MP4.10-02	NK8000	Reset of NK822x not recognized.
FSP00066323	MP4.10-02	NK8000	Support of NK823x products in DMS8000 MP4.10.
FSP00070400	MP4.15	NK8000	LED H6 (2-flash error) is never activated (documentation update).
FSP00067316	MP4.15	NK8000	Interactions on NK822x do not support Ack/Reset commands. Errors is still present and documented in Release Notes/Known issues.
FSP00067381	MP4.15	NK8000	NK8225 does not communicate with DF8003 over RS485 connections.
FSP00067410	MP4.15	NK8000	Modify the documentation to show how customize the IIS service security.
FSP00065559	MP4.15	NK8000, DF8000	Problems with DF8000 I/O units after a project download.
FSP00067405	MP4.10-02	SI410	Proper support of SI410 E-bus devices.
FSP00067282	MP4.10-02	SI410	Sintony Uploader does not import E-Bus Transponders.
FSP00072013	MP4.15	NK8000, SI410	SI410 input states not aligned on MM8000.
FSP00066005	MP4.15	SIGMASYS	SIGMASYS import procedure: Technical text of some elements is not imported.
FSP00070769	MP4.15	SIGMASYS	Missing extinguishing pre-alarm events.
FSP00067253	MP3.20-04	SiPass	The SiPass simulator does not work if the PC network cable is unplugged.
FSP00067256	MP4.10-02	SiPass	Improved warning message in case SiPass not aligned and more than one SiPass is configured.
FSP00067291	MP4.15	SiPass	"Turnstile, single door contact" point not correctly imported.
FSP00066388	MP4.15	SiPass	SiPass V2.35: Composer project download fails.
FSP00067409	MP4.15	SiPass	Picture missing in the Access Control Connectivity guide.

2 Subsystem compatibility summary

Control units	Notes about version supported	Connectivity and configuration notes	Further info. in DMS8000 documentation
FS20 Sinteso	MP1.3 and MP2.1	LAN	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
FS720 Cerberus PRO	MP1XS	LAN	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
CS11 AlgoRex® EP5 and EP7 FC700A	EP7F Z1, Z2, Z3	Direct link, Cerloop, and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
CS1115 Phase 4 FC330A Phase 4	CISxx8.86	Direct link	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
SIGMASYS D100	SIGMASYS V3.5 D100 V40-2	NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
STT11		STT2410 and STT20 via NK822x	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
STT2410 / STT20		via NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
CZ10	Eprom on communication board: CZAX22.41 (Cerban) CZAX23.41 (Cerloop)	Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
CC60	Eprom in U2 position: CCG001.05 (-19)	Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
CZ12	Eprom on communication board: BKB002.08	Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
CS4	Eprom on communication board: CK402 V6B – CKP003.01 (BCD) CK430 V9 – CKP041.01 (HEX)	Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
CS440	Eprom on communication board: CK440 V9 – CKP041.01 (HEX)	Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
XLS	V6.0	via NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
CS6 Quarto™	MP3 MP3+	via NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
SI410/420 Intrunet (no encryption)	Firmware F8-04, F8-05 and F09	Direct link, NK8000, and IP connection	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
SPC6000 Intrunet	MP1.1 Build 21	LAN	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
DMS7000 units including MM-IE2		Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en
SIPASS™	See MM8000 Release Notes	LAN	AC Connectivity Guide: A6V10062451_a_en
SIMATRIX 164; 648; SYS, SIMATRIX NEO	SIMATRIX NEO V2.0 still under test	via NK8000	Video Connectivity Guide: A6V10062457_a_en
SISTORE AX / MX / MX Pro / CX /SX DVR	See MM8000 Release Notes	LAN	Video Connectivity Guide: A6V10062457_a_en
TELSCAN		LAN	Video Connectivity Guide: A6V10062457_a_en
Stand-alone IP cameras (TELSCAN protocol)		LAN	Video Connectivity Guide: A6V10062457_a_en
DF8000 I/O (DF8003 or CF9003 + F8020/8040/8045/8046)		via NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425_a_en DF8000 ICC: A6V10081388_a_en
Philips/Burle CCTV (LTC 8x00)		via NK8000	Video Connectivity Guide: A6V10062457_a_en

Tab. 1 Subsystem equipment

3 Known issues

This is a list of known problems, limitations and bugs in MP4.20.

3.1 Installation

MS Windows 64-bit edition

Windows 2003 64-bit edition is not supported.

MS Windows Vista

The use of Windows Vista requires specific attention. Please note that:

- Vista introduced the new **UAC (User Account Control)**, a security-related feature that creates a number of warning messages. A manual UAC confirmation must be provided for MM8000 tool applications. Alternatively, UAC might be disabled. Refer to the MK8000 ICC manual (document no. A6V10062407).
- **Windows Vista Virtualization** creates a "per user" copy of system folders and registry keys and then redirects successive data operations. This feature causes no problem to MM8000 operations as long as you do not use system folders, such as **C:\Windows** or **C:\Program Files** to store any project information.
- Windows Vista does not officially support **MSDE 2000**. Use Microsoft SQL Express 2005 instead.
- On all PCs equipped with Windows Vista, we recommend to always keep a **free disk space of at least 15 GB**.

VMware

MM8000 MP4.20 has been tested with the following virtualisation software: **VMware Server**, **VMware Workstation** and **ESX**.

Note that the ESX virtualisation environment **does not directly support USB ports** that are needed for the MM800 license key. As recommended by VMware, the external network device AnywhereUSB® can be used to connect the USB keys.

SQL server

MM8000 requires SQL server 2000 or 2005. The free-of charge database "engine" package from Microsoft is sufficient: you can use both MSDE 2000 (MS SQL server Desktop Engine) and SQL Server Express 2005 (the latter also requires the SQL Backward Compatibility package).

If SiPass is installed on the same PC, then the MSDE installed by SiPass can also be used for MK8000.

SQL security

MSDE 2000 has a security weakness (the empty 'sa' password) that can be fixed by setting your SQL password with a special command available in:

<installation folder>\Utilities\Bat\SetSQLServerPassword.bat

Run this batch file adding your password as parameter (copy and paste the command line into the 'Start → Run' line, then enter the password and click 'OK').

Note: You can also edit this file and replace the "%1" field with your own password. Then save the file with another name (the original is read-only) and run it. Keep the new file in a safe place in case you need to refer to the new SQL password.

If MSDE was installed with SiPass, please follow the SiPass documentation concerning this issue.

Troubles with the hardware key

If after the installation the PAK manager cannot recognise the HW key, the sentinel drivers need to be installed manually. In this case launch the set-up located in:

<installation folder>\PAK Manager\Sentinel Drivers\SSD5411-32bit
and follow the instructions; when prompted, select the default installation.

Changing domain/PC name

New in MP4.20

MK8000 MP4.20 can support a Windows domain/PC name change on the FEP or Server after the installation. To change the name(s), use the Engineering Tools utility program (refer to the MK8000 ICC manual, document no. A6V10062407).

3.2 Configuration

Clients not supporting DCOM


Clients not supporting DCOM require a script be installed on the client PC to create the illusion that the OPC server resides on the OPC client, and permits them to communicate effectively. This is provided with the software and is detailed in MK8000 Installation, Configuration, and Commissioning guide (A6V10062407).

DMS7000 metafile for CZ10 and CZ12

If a subsequent import is required, then the control unit name should be the same original name or the import will not work.

Cannot use USB service key and old parallel keys at the same time

In certain cases, two license keys can be used on the same machine to enable MK8000 and tools separately. Be aware that the old generation of keys (larger in size, see picture below) will not work properly when the USB key is also installed. In such cases, you will have to remove the USB dongle (i.e. the service key used for enabling Composer) when you need the MK8000 to recognise the parallel key.

Model	Picture	Can it be used together with USB?	Customer Key and + Service Key
New model		Yes 	USB key can be used with no side effect on the parallel-port key.
Old model		No 	USB key must be removed in order to get the parallel-port key to work again.

3.3 Functionality

Acrobat writer/distiller

Installing MK8000 typically affects the behaviour of the Acrobat Writer/Distiller V5 and V6, which will not work properly any more, even uninstalling MK8000.

4 Documentation


Most documents were updated to include the new features added in MP4.20. Note the document numbers related to the new STEP numbering.

STEP documentation repository

On the Siemens intranet, the product documentation can be found in the STEP Documentation Repository. The STEP Web Client interface is available at the following address:

<https://workspace.sbt.siemens.com/content/00001123/default.aspx>

The following describes one way to search and find a document:

1. Click on the "STEP WEB Client" image 
2. Choose "04 Fire -3F" from the "Product Segment" box and select "Activate filter".
3. Select "All" in the Documents section of the Quick Search page and select "Advanced Search".
4. Enter the document number in the "Brochure No." field (e.g. A6V10062415 or 007121) and press "Enter".

Note: STEP provides no results when the number of found objects is equal to or greater than 200.

→ To learn about other ways to locate a document, see DMS8000 Quick Reference Guidelines for Search and Finding DMS Documents in STEP (A6V10064704).



Note: MK8000 documentation is delivered in PDF format only. You can find Word versions of all documentation in the STEP repository.

4.1 DMS8000 Documentation Resource Information & Glossary

Documentation Resource Information and Glossary (document no. A6V10089056)

This document is a guide to the following:

- Reference Documents: a complete list of all DMS8000 documents and how to access them.
- Roadmap to Documentation: target audiences can see which documents were created for them, and the purpose for each document.
- Customer Support links & resources: contact information for SBT FS Customer Support Centre and other convenient links.
- General Glossary: this contains global definitions of terms and acronyms used in DMS8000 documentation.

4.2 Sales documentation

Product Datasheet (document no. A6V10062405)

This is a brief technical sales document to be used for introducing the MK8000 to potential customers.

- This has been updated to reflect the new subsystems and network solutions available.

Sales Guide (document no. A6V10061910)

It contains background information about the target market for the MK8000, potential pitfalls to avoid, and some sales arguments.

- The sales guide is unchanged from 1.10.

Sales Presentation (document no. A6V10219113)

This is a brief PowerPoint presentation that can be used as is, or modified for client presentations. It provides an overview of the MK8000 system.

- The sales presentation is unchanged from 1.10.

**DMS8000 Application & Planning (document no. A6V10063710)
(New in MP4.20-01)**

This document contains a brief discussion of product marketing strategy for all FSP-DMS products, and a moderate level of detail about the architectural configurations supported.

4.3 Technical documentation

4.3.1 MK8000 documentation

**MK8000 Installation, Configuration and Commissioning (ICC)
(document no. A6V10062407_a_en)**

The ICC guide provides step-by-step procedures for installation and configuration of the MK8000. During configuration, this manual should be used in tandem with the DMS8000 Connectivity Configuration guides.

The installation checklist at the end of the document is intended to be used as an aid in gathering information from the customer prior to beginning configuration.

DMS8000 Connectivity Configuration Guide:

**- Network, Fire, and Intrusion (documents no. A6V10062425_a_en)
(New in MP4.20-01)**

The DMS8000 Network Fire and Intrusion Configuration guide contains information about installing Composer, connecting and activating the hardware (dongle) key, setting up a new project, and configuring the networks and subsystems supported by DMS8000 products. This should be used in conjunction with the ICC guide.

Composer Technical Manual document no. A6V10062401_a_en)

This guide explains how to use Composer in general. It provides a reference to commands and instructions used during the system configuration.

Maintenance & Troubleshooting

Note: This document is no longer provided. Please refer to the on-line support services (see next section).

Release Notes (document no. A6V10062455_a_en)

This document. It includes all information concerning MK8000 MP4.20-01.

Subsystem Interface Specifications (various documents)

Interface specifications are available for the supported subsystems. Detailed list is provided in the Documentation Resource Information document.

1	<p>CS6 Guarato Model V1.02 019_DMS_MK8000_Interface_Spec_CS6_Model_V1.02_007545_e_en.pdf</p> <ul style="list-style-type: none"> - Ack/Reset commands for Horn object (INNOHOGE) - Ack/Reset commands for Hold-up object (INHOZOGE) - Object ID (Cnap 8-letter code) for the Application and Area nodes: from UDUDAPMN to INNOAPMN, and from INNOARGE to INDEARGE, respectively.
2	<p>SI410 Intrunet (Sintony) Model V1.07 019_DMS_MK8000_Interface_Spec_SI410_Model_V1.07_008597_d_en.pdf</p> <ul style="list-style-type: none"> - LSN Gateway object added (INNOCKGE).
3	<p>CC11 EP7 Model V1.07 019_DMS_MK8000_Interface_Spec_CC11ep7_Model_V1.07_007546_e_en.pdf</p> <ul style="list-style-type: none"> - FD20 Element (FIDEDEAD) - FD20 MultiDevice (HWDAICGE) - FD20 I/O module (HWNODCCO) - FD20 Line (HWDADCAD)

4.3.2 OPC foundation documentation

OPC Common 1.10

This is the specification of rules, design criteria and interfaces that are common to developers of OPC clients and OPC servers. The specification is a result of an analysis and design process to develop a standard interface to facilitate the development of servers and clients by multiple vendors so that they can interoperate seamlessly together.

OPC DA 2.05a (Data Access Interface Specifications)

This is the interface specification for developers of OPC Data Access clients and OPC servers. The specification is a result of an analysis and design process to develop a standard interface to facilitate the development of servers and clients by multiple vendors so that they can interoperate seamlessly together.

- The MK8000 OPC Server supports the required COM interfaces described in the OPC Data Access Custom Interface Standard V 2.05 – section 3.1.

Using OPC via DCOM with XP SP2.pdf

This technical note contains information about OPC network operations with Windows XP SP2. This Windows release includes a new firewall designed to prevent malicious attacks to the computer. Due to this feature, a special setting is required to enable OPC network communication (DCOM).

5 Customer support links & resources

5.1 Siemens BT FS

Our Customer Support Center intranet site at:

https://intranet10.sbt.siemens.com/about_bt/Business_Units/fs/Customer+Support+Center/?languagecode=en

provides useful information and links. In the Online Support section of this intranet page, software downloads and known product issues can be found in the PSP (password-protected Product Support Platform).

→ The support mailbox is: fs.support.sbt@siemens.com.

5.2 Microsoft

General support about Microsoft Windows can be found at:

→ <http://support.microsoft.com/directory/>

5.3 Adobe Acrobat

To view the PDF document is necessary to install the program Adobe Acrobat Reader. You can find its free version at:

→ <http://www.adobe.com/products/acrobat/readstep.html>

5.4 OPC

The OPC Foundation at www.opcfoundation.org is a great resource for documentation and the latest information on OPC.

Siemens Switzerland Ltd
Building Technologies Group
International Headquarters
Fire Safety & Security Products
Gubelstrasse 22
CH-6301 Zug
Tel +41 41 724 24 24
Fax +41 41 724 35 22
www.sbt.siemens.com