

LCP3000EZ
Lighting Control System
Data Sheet



product
GUIDE



SIEMENS

LCP3000EZ Lighting Control System



The SIEMENS LCP3000EZ lighting control system comes with an abundance of standard operating features and the intelligence to meet virtually any lighting control application. Each panel is equipped with an RS232 interface for easy configuration of inputs and outputs; any panel in the network can be configured from any other panel in the same network. Other options include Ethernet interface, PC software, two different time clocks (4 and 16 channels), motion sensors and outdoor light sensor. These options enable you to have a lighting control system that can meet even the most demanding applications.

Enclosure

NEMA 1, UL listed enclosure with hinged door and hinged deadfronts (inner doors). There are two deadfronts, one for the low voltage (24V) section and one for the line voltage load relays. There is also a barrier between the two sections.



System Features

Each individual device holds its own operating program in non-volatile memory; there is no central or master controller. This feature prevents entire system shut down, which could happen on systems with a logic board.

The LCP3000EZ is delivered fully assembled with all specified relays, digital (switched) inputs, power supply and RS232 interface installed in the enclosure. Wall mount the enclosure, connect the 120V AC power supply, connect the loads to the relays and connect the inputs. Then with a PDA (running Palm OS 3.5 or higher,) or with a PC with the Palm configuration software loaded; configure which inputs control which outputs and the system is ready to go. The Palm Configurator Software and Palm Emulator Software are supplied free of charge with every order.

If your system has more than one panel, the connection between panels is as easy as running an 18AWG twisted pair from one panel to the next.

The system is compatible with third party sensors that have a set of dry contacts.

System options and accessories

The following options are offered with the LCP3000EZ:

- 4 or 16 channel time clocks
- Touch Panel Control (one per panel)
- Outdoor light level sensors
- Motion sensors
- Web access operation (Ethernet Interface)
- Flush mounting kit

NETWORKING

Up to 10 panels can be networked together without the need for any additional cards or devices. With the optional Web access devices and software; the user can network up to 500 panels. The LCP3000EZ interfaces with any BAS using OPC.

Web access software:

With optional Web access software the user can access any device in the LCP3000EZ system. This allows control of any relay from a PC. Password protection allows partial control to individual users (i.e. turn ON or OFF the office lights from his or her computer.)



System Specifications

- NEMA 1, surface mount. Optional key lock and flush mount kit
- Enclosures are always 20" wide and 5 3/4" deep; height depends on number of outputs:
 - 24" high for up to 16 outputs (relays)
 - 32" high for up to 32 outputs (relays)
 - 40" high for up to 48 outputs (relays)
- Load relays:
 - Are mechanically held
 - Have visual position indicator
 - Have manual override
 - Built in timer which can be set in 30 minutes intervals up to 6 hours
 - Eight relays per module
 - Can be programmed as groups to control two or three pole loads
 - Are rated 20 Amp, 277 Volt (480V "Y" with grounded three phase loads)
- All panel sizes accept a maximum of 32 digital (switched) contacts:
 - Rated 24V AC/DC
 - Can be configured to accept maintained, or momentary inputs
 - Eight inputs per group
- 4 channel time clock allows 324 schedules
- 16 channel time clock allows 500 schedules
- Both time clocks have 10 years battery back up
- Automatic day light savings time adjustment
- Time of Day (TOD) schedules
- Warn Off, 5 minutes before set time expires
- RS-232 interface in every panel
- Network up to 10 panels with simple twisted pair, no additional cards are needed
- Network up to 500 panels with optional Web access device and software
- Ambient Conditions:
 - Ambient operating temperature: 23°F... 113°F (-5... +45°C)
 - Ambient temperature (non-op): -13°F... 158°F (-25... +70°C)
 - Relative humidity (non-condensing): 5% to 93%



Warranty

SIEMENS LCP3000EZ hardware and software come with a full 2 year warranty from date of factory invoice.



LCP3000EZ Catalog Numbering System

Catalog No.
5 WG1 70 -8X -Z

Enclosure Height

3 = 24" (up to 16 relays = 2 output (relay) modules)
4 = 32" (up to 32 relays = 4 output (relay) modules)
5 = 40" (up to 48 relays = 6 output (relay) modules)

Panel Designation

A
B
C
D
E
F
G
H
J
K

Number of Input Modules

0 to 4 Select 0, 8, 16, 24 or 32 inputs. Divide the number of inouts by 8 to get the number to enter at this location: i.e. 24 inputs/8 = 3

Number of Output Modules

1 to 6 (8 outputs per module: i.e. 48 outputs/8 output per module = 6)

Enclosure options

Blank = None
1 = Flush mounting kit
2 = Key Lock
3 = Key Lock + Flush mounting kit

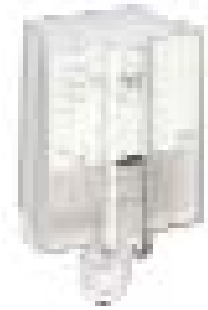


LCP3000EZ Catalog Numbering (Accessories)

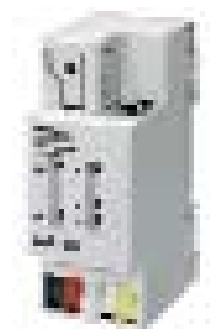
5WG1 372-5EY01-Z-A201	4 control channels time clock
5WG1 373-5EY01-Z-A202	16 control channels time clock
5WG1 255-2AB11	Motion sensor
5WG1 114-2AB02-Z-A221	Wall mounted bus coupler for motion sensor(s). Panel A*
5WG1 114-2AB02-Z-A231	Wall mounted bus coupler for motion sensor(s). Panel A*
5WG1 114-2AB02-Z-B222	Wall mounted bus coupler for motion sensor(s). Panel B*
5WG1 114-2AB02-Z-B232	Wall mounted bus coupler for motion sensor(s). Panel B*
5WG1 114-2AB02-Z-C223	Wall mounted bus coupler for motion sensor(s). Panel C*
5WG1 114-2AB02-Z-C233	Wall mounted bus coupler for motion sensor(s). Panel C*
5WG1 114-2AB02-Z-D224	Wall mounted bus coupler for motion sensor(s). Panel D*
5WG1 114-2AB02-Z-D234	Wall mounted bus coupler for motion sensor(s). Panel D*
5WG1 114-2AB02-Z-E225	Wall mounted bus coupler for motion sensor(s). Panel E*
5WG1 114-2AB02-Z-E235	Wall mounted bus coupler for motion sensor(s). Panel E*
5WG1 114-2AB02-Z-F226	Wall mounted bus coupler for motion sensor(s). Panel F*
5WG1 114-2AB02-Z-F236	Wall mounted bus coupler for motion sensor(s). Panel F*
5WG1 114-2AB02-Z-G227	Wall mounted bus coupler for motion sensor(s). Panel G*
5WG1 114-2AB02-Z-G237	Wall mounted bus coupler for motion sensor(s). Panel G*
5WG1 114-2AB02-Z-H228	Wall mounted bus coupler for motion sensor(s). Panel H*
5WG1 114-2AB02-Z-H238	Wall mounted bus coupler for motion sensor(s). Panel H*
5WG1 114-2AB02-Z-J229	Wall mounted bus coupler for motion sensor(s). Panel J*
5WG1 114-2AB02-Z-J239	Wall mounted bus coupler for motion sensor(s). Panel J*
5WG1 114-2AB02-Z-K230	Wall mounted bus coupler for motion sensor(s). Panel K*
5WG1 114-2AB02-Z-K240	Wall mounted bus coupler for motion sensor(s). Panel K*
5WG1 588-2CB11-Z-A211	Touch Panel, Panel A
5WG1 588-2CB11-Z-B212	Touch Panel, Panel B
5WG1 588-2CB11-Z-C213	Touch Panel, Panel C
5WG1 588-2CB11-Z-D214	Touch Panel, Panel D
5WG1 588-2CB11-Z-E215	Touch Panel, Panel E
5WG1 588-2CB11-Z-F216	Touch Panel, Panel F
5WG1 588-2CB11-Z-G217	Touch Panel, Panel G
5WG1 588-2CB11-Z-H218	Touch Panel, Panel H
5WG1 588-2CB11-Z-J219	Touch Panel, Panel J
5WG1 588-2CB11-Z-K220	Touch Panel, Panel K
5WG1 254-3EY01-Z-A203	Outdoor ambient light level sensor
5WG1 220-2CB02-Z-A204	Key switch
5WG1 148-1AB21-Z-A251	IP Interface, IP remote monitoring and control
63101-32-01	Software for LAN connection (for monitoring and control)
63101-32-10	5 license extension for LAN software
63101-32-06	OPC services for connection with BAS . LAN software required.
63101-32-01	LAN software e-mail services
63101-32-04	LAN software database services
63101-32-08	LAN software Visual Editor



5WG1 373-5EY01-Z-A202
16 channel time clock



5WG1 254-3EY01-Z-A203
Outdoor ambient light level sensor



5WG1 148-1AB21-Z-A251
IP Interface

Siemens Energy & Automation, Inc.

Power Distribution Solutions
3333 Old Milton Parkway
Alpharetta, GA 30005

For more information, call **1-800-427-2256**
or visit www.sea.siemens.com/power

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