

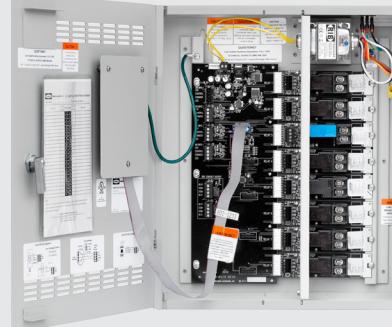


# CX LIGHTING CONTROL PANELS

CX COMMERCIAL LIGHTING CONTROL PANELS

## FEATURES

- LCD user interface with keypad
- 4, 8, 16 and 24 relay panel sizes
- Fully populated or empty
- Astronomical and real time clock for scheduling
- Upload or save programming via removable SD memory card
- NEMA 1 surface mount Enclosure
- UL916, UL924 and cUL listed
- 5 year limited warranty



## SPECIFICATIONS

### CONSTRUCTION

- Keypad user interface mounted on exterior of door (Only on Master or Stand alone versions)
- Knockouts on top and bottom for low voltage and line voltage feeds
- NEMA 1 surface mount enclosure;
- Pre-drilled mounting holes for mounting to wall
- Panels have hinged locking door

### INSTALLATION

- All CX panel versions are surface mount enclosures

### ELECTRICAL

- CX04 and CX08; 120/277VAC or 120/347VAC
- CX16 and CX24; 120-277VAC or 347-480VAC
- CX04/CX08; 24VDC, 150mA (max. 300mA)
- CX16/CX24; 24VDC, 150mA (max. 900mA)

### ELECTRICAL CONTINUED

- CXR2N 120/277VAC (50/60Hz)
- CXR3L 120/277/347VAC (50/60Hz)
- CXR3LEM 120/277/347VAC (50/60Hz)
- CXRTN 208/240/480VAC (50/60Hz)
- CXRTC 208/240/480VAC (50/60Hz)
- Wire size 14, 16, 18, 20, 22 AWG
- Recommended Tightening Torque: 0.45 N·m (4 in-lbs.)
- 500A @ 2ms (CXR3LEM only)

### OPERATION

- Green indicator light on panel motherboard - indicates panel is receiving power.
- Green indicator light on the relay card - Indicates relay is in the closed position
- Red indicator light on the relay card - Dependent on input status and programming
- Indoor use only

### RELATED PRODUCTS

#### [CX Relays](#)

#### [CX Dimming Option Card](#)

#### [CX Programmable Switches](#)

#### [CX Low Voltage Switches](#)

#### [Low Voltage Heavy Duty Key Switch](#)

### OPERATION CONTINUED

- 32° - 112° (0° - 50°C)
- Relative humidity (non-condensing): 10% - 90%

### CERTIFICATIONS

- UL916, CAN/CSA C22.2 No. 205
- UL924, CAN/CSA C22.2 No. 141 Emergency Lighting (CXR3LEM)
- Title 24 Certified
- This product qualifies as "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 5/27/2020. See [Buy American Solutions](#).

### WARRANTY

- 5 year limited
- See [HCS Standard Warranty](#) for additional information

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

# CX LIGHTING CONTROL PANELS

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## ORDERING GUIDE

CATALOG #

Example: CX042S00SPN or CX082S083LM

CX	Model	Spaces	Input Voltage	S	Enclosure	Relay Quantity	Relay Type	Options	TAA
CX	CX Lighting Control Panel	<b>04</b> 4 Relay Spaces (Stand Alone version only) <b>08</b> 8 Relay Spaces	<b>2</b> 120/277VAC <b>3</b> 120/347VAC	<b>S</b>	NEMA 1 Enclosure	<b>00</b> No relays included (Required SP Relay Type) <b>04</b> 4 Relays Installed (Fully Populated) <b>08</b> 8 Relays Installed (Fully Populated)	<b>SP</b> CX Lighting Control Panel <b>2N</b> 1-Pole Elect. Held N.O. Relays (CXR2N) <b>3L</b> 1-Pole Latching Relays (CXR3L) <b>TN</b> 2-Pole Elect. Held N.O. Relays (CXRTN)	<b>N</b> Stand-alone (4 Relay Panel is neither a Master or Secondary Panel) <b>M</b> Master (Available in CX08) <b>S</b> Secondary (Available in CX08)	<b>Blank</b> Standard Product <b>T</b> TAA

CATALOG #

Example: CX162S00SPM or CX242S243LM

CX	Model	Spaces	Input Voltage	S	Enclosure	Relay Quantity	Relay Type	Options	TAA
CX	CX Lighting Control Panel	<b>16</b> 16 Relay Spaces <b>24</b> 24 Relay Spaces	<b>2</b> 120-277VAC <b>3</b> 347-480VAC	<b>S</b>	NEMA 1 Enclosure	<b>00</b> No relays included (Required SP Relay Type) <b>16</b> 16 Relays Installed (Fully Populated) <b>24</b> 24 Relays Installed (Fully Populated)	<b>SP</b> CX Lighting Control Panel <b>2N</b> 1-Pole Elect. Held N.O. Relays (CXR2N) <b>3L</b> 1-Pole Latching Relays (CXR3L) <b>TN</b> 2-Pole Elect. Held N.O. Relays (CXRTN)	<b>M</b> Master (Available in CX16 or CX24) <b>S</b> Secondary (Available in CX16 or CX24)	<b>Blank</b> Standard Product <b>T</b> TAA

Notes:

- 1 2-Pole relays take the same amount of space as 1-Pole relays.
- 2 Factory installed relays must be all of the same type. Relay Type CXR3LEM\* and CXRTC\* are not available in fully populated panels and must be ordered separately to be installed in the field.
- 3 "00" option has no relays, any purchase relays must be installed in the field.
- 4 Secondary panels have a pre-installed Secondary Interface Card and separately packaged Master Interface Card. Join panels with a Cat5e/6 cable, T568B wiring scheme (Not to exceed 750').
- 5 CX04 Relay panel is Stand Alone only. Does not function with Master/Satellite Interface cards.

\*Buy American Solutions

**TAA**  
FAR §22.225-11

CX042S043LM

CX082S083LM

CX083S083LM

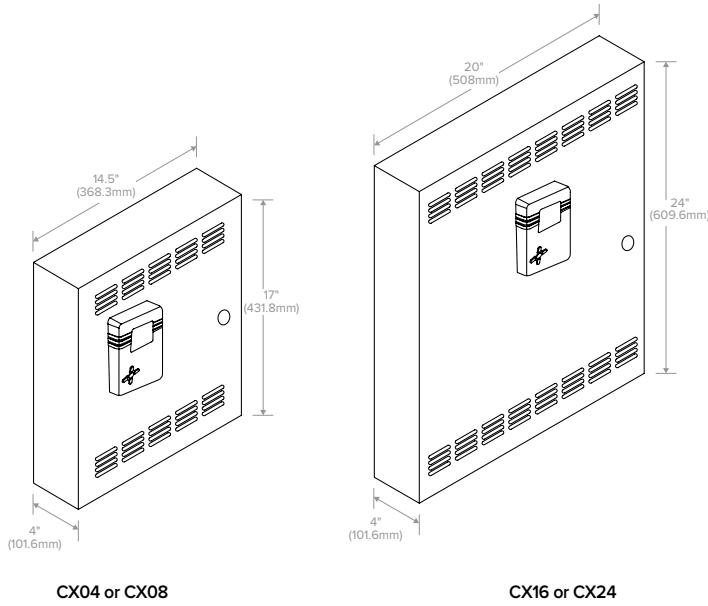
CX162S163LM

CX242S243LM

# CX LIGHTING CONTROL PANELS

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## DIMENSIONS

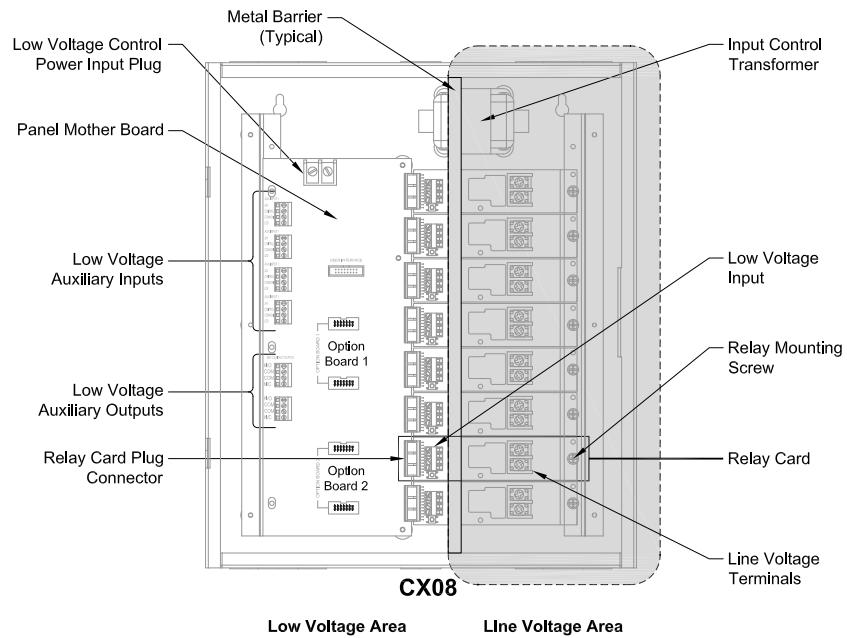


CX04 or CX08

CX16 or CX24

## ADDITIONAL INFORMATION

### Panel Interiors

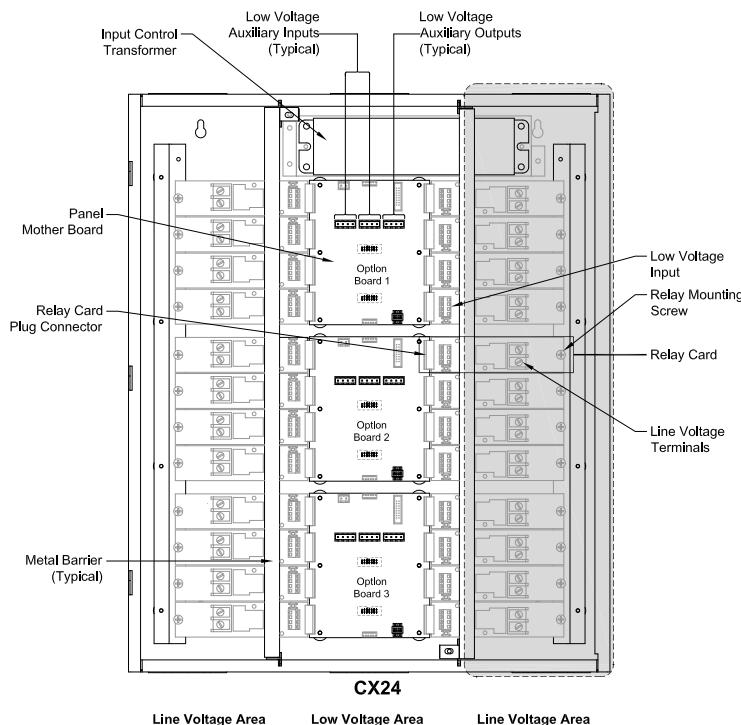


# CX LIGHTING CONTROL PANELS

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## ADDITIONAL INFORMATION (CONTINUED)

### Panel Interiors



### Accessory Parts List

CX Relays		
Model	Relay Type	
CXR	2N	1-Pole, Elect. Held N.O. 20A@120VAC-Tungsten; 16A @ 277VAC-Elect. Ballast; 20A @277VAC-Mag. Ballast; 14K SCCR @277VAC
	3L	1-Pole Latching 20A @120VAC-Tungsten; 16A @120/277VAC-Elect. Ballast; 30A @120/277VAC-Mag. Ballast; 20A @347VAC-Elect. Ballast; 18K SCCR @347VAC
	3LEM*	1-Pole, Latching 20A @120VAC-Tungsten; 16A @120/277VAC-Elect. Ballast; 30A @120/277VAC-Mag. Ballast; 20A @347VAC-Elect. Ballast; 20A @347VAC-Mag. Ballast; 5K SCCR @347VAC
	TN	2-Pole, Elect. Held N.O. 20A @208/240/480VAC Mag. Ballast; 14K SCCR @480VAC
	TC*	2-Pole, Elect. Held N.O. 20A @208/240/480VAC Mag. Ballast; 14K SCCR @480VAC

### Optional 010V Dimming Interface Card

Model	Description
CXDIMCONTRBD	CX Panel 8-Channel dimming Interface board 0-10V Dimming 30mA, sinking current. 4-RJ45 ports for CXSW wall stations.
	CX04 and CX08 Panels only capable of supporting a single Dimming card (No more than 4 total CXDIMCONTRBD can be used with any Master/Secondary configurations; slots provided)

### Optional Master/Satellite Interface Cards

Model	Description
CXKITSECINTFC	Master/Satellite Interface Card Replacement Kit (2card set)

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