



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

OPERATION CONTINUED

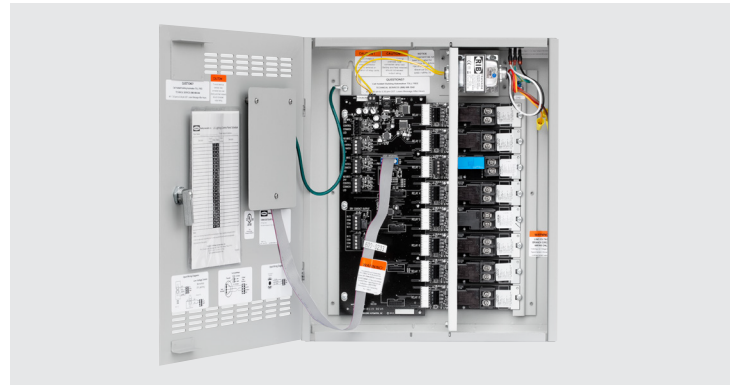
- 32° - 112° (0° - 50°C)
- Relative humidity (non-condensing): 10% - 90%

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



RELATED PRODUCTS

[CX Relays](#)

[CX Dimming Option Card](#)

[CX Programmable Switches](#)

[CX Low Voltage Switches](#)

[Low Voltage Heavy Duty Key Switch](#)



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ORDERING GUIDE

Example: CX042S00SPN or CX082S083LM

CATALOG # _____

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

Example: CX162S00SPM or CX242S243LM

CATALOG # _____

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

Notes:

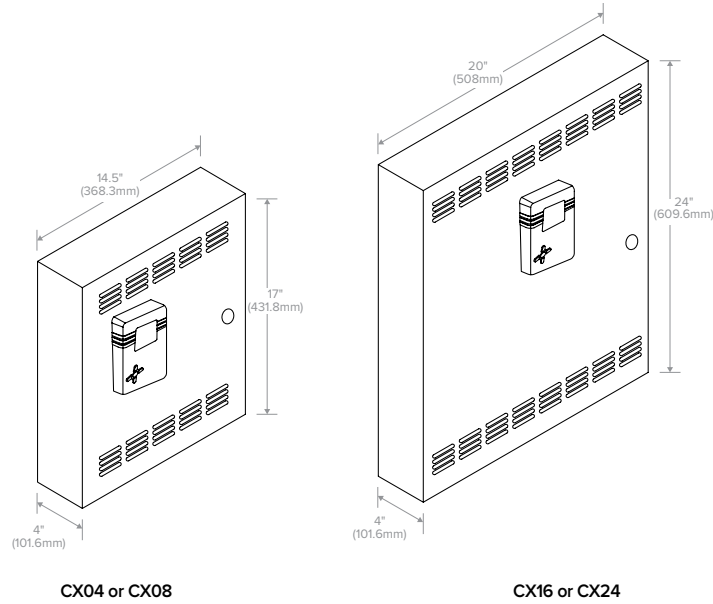
- 2-Pole relays take the same amount of space as 1-Pole relays.
- Factory installed relays must be all of the same type. Relay Type CXR3LEM* and CXRTC* are not available in fully populated panels and must be ordered separately to be installed in the field.
- "00" option has no relays, any purchase relays must be installed in the field.
- 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').
- CX04 Relay panel is Stand Alone only. Does not function with Master/Satellite Interface cards.

*Buy American Solutions
TAA FAR §52.225-11
CX042S043LM
CX082S083LM
CX083S083LM
CX162S163LM
CX242S243LM

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DIMENSIONS

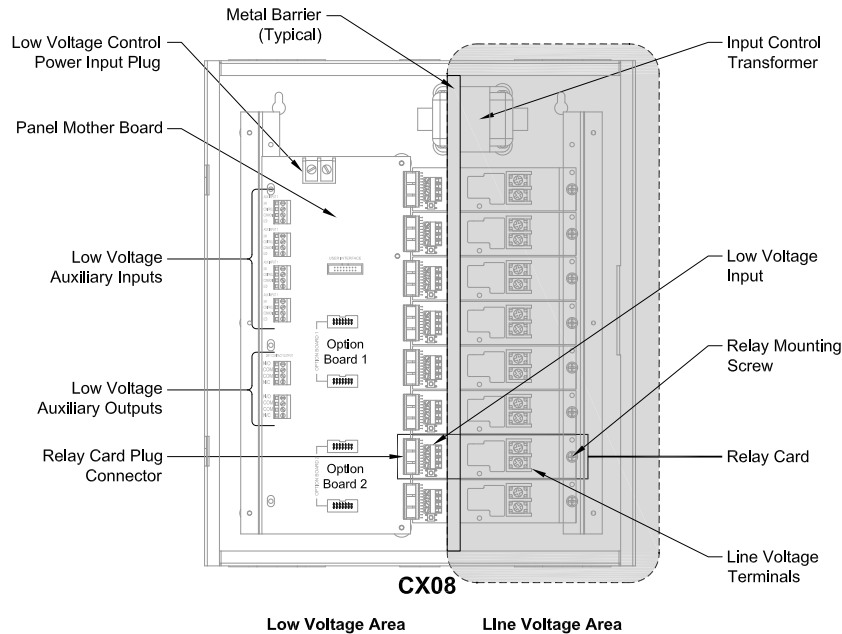


CX04 or CX08

CX16 or CX24

ADDITIONAL INFORMATION

Panel Interiors



Low Voltage Area

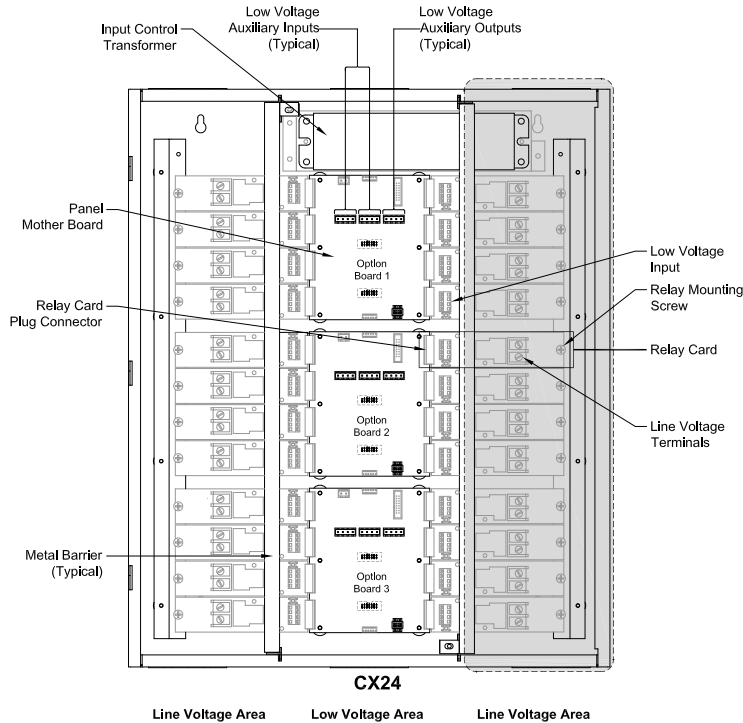
Line Voltage Area

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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)