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CX-11SE

Jr. Switching Network
Smoke Evac Model

Installation Instructions

MADE IN CANADA

PAGE 1 OF 3

Section 1 General Description

The CX-11SE Jr. Switching Network is a special version of our popular CX-11 timer.

This version is specifically designed to be used with Fire door packages (Smoke Evac). The control panel will send a maintained signal to the CX-11SE, which first unlocks the door, then after an adjustable delay opens the door. While the strike (or magnet) is allowed to drop out after several seconds, the operator must remain powered open as long as the panel is sending the signal. (Maintained input = maintained output)

For applications requiring a "one-shot" design use our regular Switching Network – Mdl # CX-11. For bi-directional sequencing use Mdl # EDS-15.

Section 2 Installation

Mounting

The LED's are visible through the wrap-around sleeve, which also has cutouts for adjusting the potentiometers. Once the unit has been programmed, the CX-11SE may be tucked up in the header or affixed using the double-sided tape.

Wiring

CAUTION: Do not apply 120V AC primary power to the transformer until all secondary wiring is complete.

The time sequence is initiated by simply applying power to terminals #1 & 2. Removing power allows Relay 2 (operator) to drop out.

Therefore, connect the Fire alarm panel to terminals 1 & 2. If the output is Wet (powered) then connect directly to CX-11SE. If the output is Dry (no power), then wire through a 12-24V transformer, and then to terminal 1 & 2.

Both relay outputs are Form C and are rated at 4 amps maximum. Use Relay #1 for the Strike/Electromagnet. Typically, the **NO** and **C (common)** terminals (#7 & #8) are used for a strike, and **NC** and **C** (#7 & #9) are used with an electromagnet.

The door operator will be wired to Relay 2 terminals #10 & #11 (N.O. & C).

Section 3 Set Up Instructions

As you make the following adjustments, refer to the diagram on Page 3 for locations of the LED's and potentiometers.

Turn on power to all equipment, and simulate a signal from the fire alarm panel (Apply power to Terminals 1 & 2). Observe the strike LED, which should light immediately. The length of hold time is determined by adjusting VR3 - clockwise for more time, counterclockwise for less time. This is typically your strike energize time (or magnet de-energize time).

The *delay-on-activate* for the door operator is observed with LED2, and adjusted with potentiometer VR1.

The operator hold time is determined by the input. Once power is removed from terminals 1 & 2, the operator relay immediately drops out. (The operator itself may have an additional time factor built in however)

Section 4

System Inspection Instructions

(only if applicable)

After the Installation and operational check of the system:

1. Place warning label on the door (as per ANSI A156.10 or A156.19 guidelines). This will advise the person entering the swing side zone that the door will move.
2. Instruct the owner on door system operation and how to test it. This should be checked on a daily basis.
3. Instruct the owner on what to do if the door or any of its components become damaged.
4. Strongly recommend to the owner that the complete entry be inspected twice a year as part of the service agreement.

Section 5

Technical Data

Model	CX-11SE
Size	3 ¼" x 2 ¼" x ¾"
Mounting	Double Sided Foam Tape
Enclosure	Protective paper sleeve
Operating Voltage	12 - 24 Volts AC/DC
Current Draw	20 mA standby 60 mA max.
Response Time	0.3 seconds
Input	N.O. Fire Alarm Panel
Relay Output	2 x Form C (SPDT)
Contact Rating	4 amps @ 277VAC/ 30VDC
Electrical Life	100,000 @ rated capacity
Time Delays	DOR #1 - 0 - 10 seconds DOO #2 - 0 - 10 second

Section 6

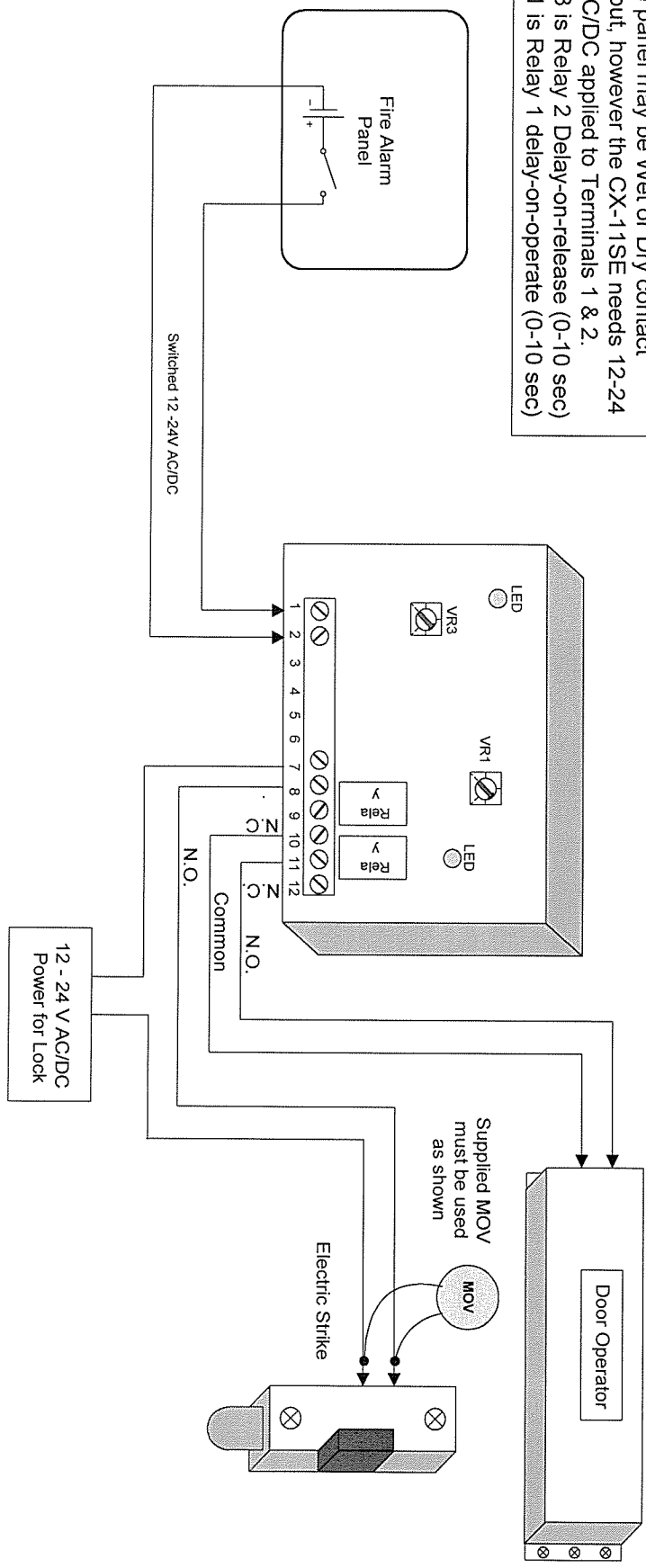
Warranty

Camden Manufacturing guarantees the CX-11SE to be free from manufacturing defects for 3 years from date of sale. If during the first 3 years the CX-11SE fails to perform correctly, it may be returned prepaid to our factory where it will be repaired or replaced (at our discretion) without charge. Except as stated herein, Camden extends no warranties expressed or implied regarding function, performance or service.

Questions?

Call us toll-free at 1-877-226-3369

- NOTES:
1. If using an electromagnet, wire to # 9 (NC).
 2. Fire panel may be Wet or Dry contact output, however the CX-11SE needs 12-24 V AC/DC applied to Terminals 1 & 2.
 3. VR3 is Relay 2 Delay-on-release (0-10 sec) VR1 is Relay 1 delay-on-operate (0-10 sec)



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CX-11SE Wiring Diagram

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