

INSTALLING THE EMSL120NO

Note: The EM1400 Series panels are shipped standard with normally closed relays. The electronics expect to see a normally closed relay. Plugging in a normally open relay will cause that relay to operate in reverse (it will be off when command on). **UNLESS** the relay is designated as a normally open relay in the relay properties menu. See O&M Guide for details.

The EMSL120NO is UL rated for 18,000 amp SCCR (Short Circuit Current Rating at 277v, and will default to “normally open” upon power failure.

Changing an EMSL120NO Relay

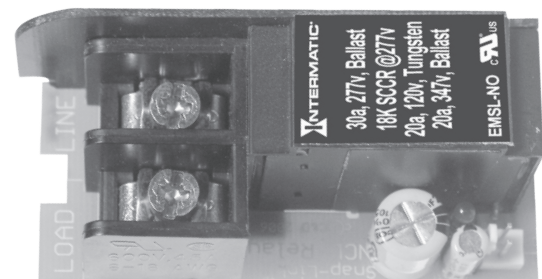
1. Ensure that all breakers that are feeding the lines to the relays in the panel are OFF.
2. Unscrew and open the hinged low-voltage plate to expose the high-voltage section of the panel
3. Loosen the butterfly nuts that hold the barrier on top of the relays and lift the barrier up a little to free up the relay.
4. Unscrew the LINE and LOAD connection points on the relay and disconnect the wires.
5. Pull off the low voltage jumper that connect the relay to the smacker strip
6. Pull the relay out of the plastic track and discard it
7. Push the new replacement relay into the track until it “snaps” securely in place

8. Reconnect the line and load wires to the appropriate connection points on the relay using the procedure in the EM1400 O&M Manual.
9. Reconnect the low voltage jumper between the smacker strip and the newly replaced relay
10. Push down on the barrier and tighten the wing nuts to hold it in place.
11. Close and screw down the hinged low-voltage plate
12. Turn the breakers powering the relays back ON

Adding an EMSL120NO Relay

If you need to add relays, the steps are the same as above, except steps 4 through 6, which should be substituted with the one below:

- 6a) Break out the “knock-outs” needed on the barrier for the new relay or relays.



EMSL120NO
Normally Open Relay