

# 5000-6000 Series Shop Controller with integrated Lighting Contactor

## **Electrical:**

A four (4) to twelve (12) pole mechanically held lighting contactor is provided within this enclosure. The electrical contactor, along with an interface 24-vac coil relay, is arranged within the enclosure to ensure ease in making field piping connections. All wiring to the coil and relay have been factory installed and tested.

# **Important!**

Use caution when using two different voltages in one enclosure. Label all field installed wiring appropriately.

#### Caution!

Risk of Electric Shock - More than one disconnect switch may be required to de-energize the equipment before servicing.

# **Additional Wiring Information and Instructions:**

**Grounding:** Grounding is provided at the junction box for the control circuitry. Additional grounding should be field provided at the contactor by terminating a service ground wire to enclosure at the grounding lug.

**Load Center:** Recommend maximum 20-amp breaker for lighting contactor operating electrical outlets or according to rating of definite purpose contactor.

# **Important!**

Do not install wiring or cable for integrated systems, remote panic assemblies or other interface wiring within conduit for either 24-vac control or 120-vac line voltage. Each wiring system should be housed in independent conduit and not bundled with wiring for other systems.

All local electrical codes must be followed when installing this enclosure and making the wiring connections.

Verify that the electrical supply is disconnected prior to making the wiring connections or servicing enclosure.

# **Contactor Specifications:**

- Square D 8903 LXOV Series 4 to 12-circuit latching relay.
- Maximum operating temperature for the contact is 160° F / 71° C.
- All Contacts have an A600 NEMA Rating.
- Average operating time in milliseconds: 15 pick-up; 16 drop-out.

## **Contactor Features:**

- 30 Amp ballast lighting rating, 20 Amp resistive rating
- Electrically and mechanically held
- 4 thru 12 pole versions
- Field-convertible contacts with N.O. and N.C. indicators
- Silver-Cadmium-Oxide double break contacts

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