

AA48



AA48 Auxiliary Relay

Installer's Specifications

Storage Temperature	-29° to 65°C (-20° to 150°F)
Operating Temperature	0° to 40°C (32° to 104°F)
Maximum Humidity	90% RH non-condensing
Control Input	24 VDC, 36 mA nominal
Relay Contacts:	
Horsepower Rating	1 HP@120 V
Switching Capacity	120 VAC, 60 Hz; 15 A tungsten 1800 W 120/277 VAC, 60 Hz; 20 A ballast



HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
 - This equipment must only be installed and serviced by qualified electrical personnel.
 - Read, understand and follow the instructions before installing this product.
 - Turn off all power supplying equipment before working on or inside the equipment.
 - Use a properly rated voltage sensing device to confirm power is off.
- DO NOT DEPEND ON THIS PRODUCT FOR VOLTAGE INDICATION**

Failure to follow these instructions will result in death or serious injury.

INSTALLATION

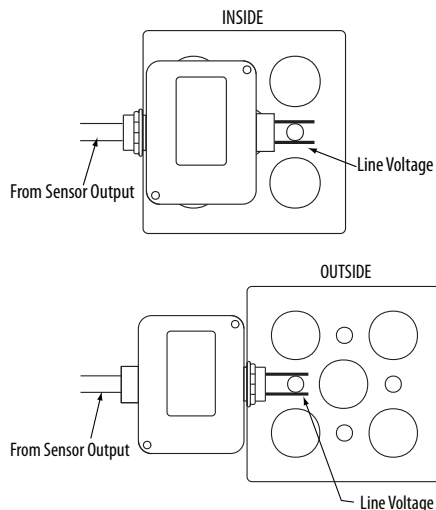
1. Provide separate overcurrent protection in accordance with the National Electrical Code® and applicable local codes.
2. Use copper wire only.
3. Confirm that the device rating is appropriate for your application.
4. Mount the auxiliary relay to a suitable junction box using the 1/2-in., threaded nipple and lock. The auxiliary relay is plenum-rated, and can be mounted to the inside or the outside of a junction box or fixture in a ceiling plenum.
5. Connect the auxiliary relay as shown. Use approved wire nuts for electrical connections.

OPERATION

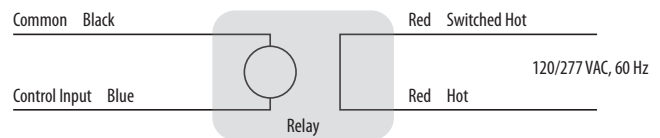
The AA48 Auxiliary Relay is a low-voltage relay device that expands the switching capacity of an AA47 power pack, controlling additional circuits in response to a signal from an MSC occupancy sensor. The relay has an SPST, normally open output that is controlled directly by the MSC. The relay is rated for maximum 15 A tungsten and 20 A ballast loads.

Mount the AA48 either inside or outside a standard junction box using a 1/2-in., threaded EMT nipple. Route power to the sensor using plenum-rated cable.

MOUNTING OPTIONS



SCHEMATIC DIAGRAM



SYSTEM DIAGRAM

