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## INDUSTRIAL SERIES ACTIVATION RELAY

120AR, 120 VAC

### DESCRIPTION

The Model 120AR is a interface device that accepts a low current contact closure and activates a high power relay. It is typically used to connect a control output to a high current draw signal device, such as a strobe light or horn.

The Model 120AR also contains a 12 volt DC output source to power control or sensing devices.

### MOUNTING AND WIRING

The 120AR is designed for mounting to a 4" square outlet box. Mount and wire per all local electrical and building codes.

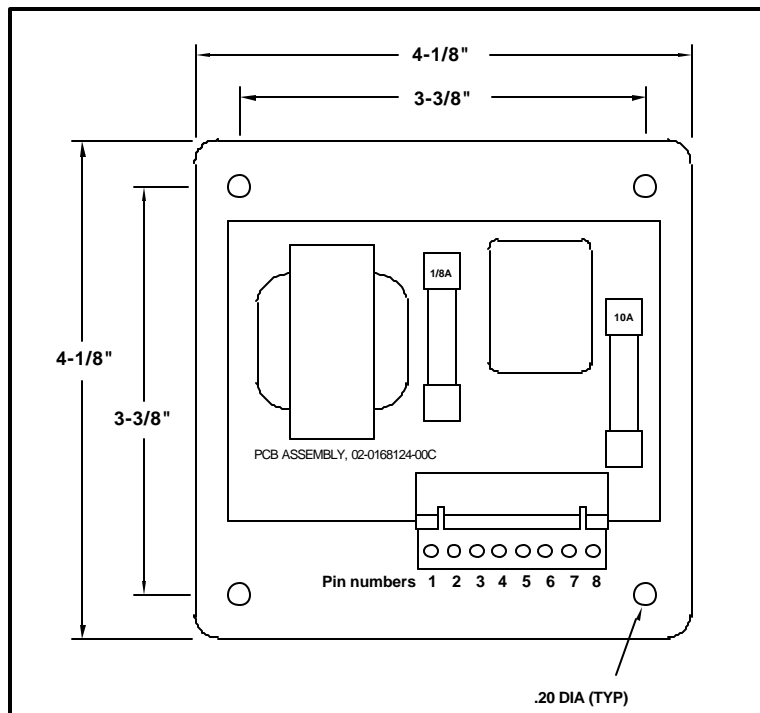
1. Feed the AC power source cable to the box. Feed the control wires to the box. Feed the signal device

wires from the box to the signal. Feed +12 volt DC power wiring to the sensing or control device, if used.

2. Refer to the drawing. Wire according to the chart below:

Pin	Signal Description
1	+12 VDC, 250 mA, output
2	VDC Ground
3	Contact Closure +
4	Contact Closure -
5	115 VAC, 10A, switched output (Neutral)
6	115 VAC, 10A, switched output, (HOT)
7	115 VAC input (Neutral)
8	115 VAC input (HOT)

3. Mount the 120AR to the outlet box. Apply power.



**WARNING** ALWAYS  
DISCONNECT POWER  
BEFORE SERVICING OR  
INSTALLING AN  
ACTIVATION RELAY.