

## Wire-in Transformers

### Description

The Model 323 and 324P are wire-in transformers on a mounting plate to be installed in any 350 or 350A enclosure to provide power for an XR100 or XR500 Series Command Processor™ panel.

The 323 is a 16 VAC 56VA wire-in transformer that provides up to 2 Amps of power. The 324P is a 16 VAC 100VA wire-in transformer that provides up to 3 Amps of power.

### Mounting the Transformer

Use the following steps to mount the 323/324P Transformer:

1. Slide the mounting plate into the top position of the mounting bracket at the top of the 350 or 350A enclosure.
2. Using the supplied screws, secure the lower edges of the mounting plate into the permanent standoffs in the 350 or 350A enclosure.

### Panel 3-Pin Header (J12)

For the 323, on the XR100/XR500 panel, place the jumper on the left two pins labeled 50VA for a Maximum 2 Amp (Bell+Aux+Smoke=2 Amp) when using the Model 323 56VA transformer (default setting).

For the 324P, on the XR100/XR500 panel, place the jumper on the right two pins labeled 75VA for a Maximum 3 Amp (Bell+Aux+Smoke=3 Amp) when using the Model 324P 100 VA wire-in transformer.

**Note:** For UL Commercial Fire installations, refer to the Universal Fire Alarm Specifications, Transformer section, for more information.

### Wiring the 323/324P

Use the following steps to connect the transformer to the panel:

1. Carefully remove the protective cover located over the terminal block.
2. Cut two lengths of 18 AWG wire to run from the transformer through the conduit and into the panel enclosure.
3. In the transformer enclosure, connect one 18 AWG wire to one of the OUTPUT terminals. Connect the other 18 AWG wire to the second OUTPUT terminal.
4. In the panel enclosure, connect the other ends of the 18 AWG wires to the panel terminals 1 and 2.

Connect the transformer to a 120 VAC dedicated circuit not controlled by a switch:

1. Connect the black, white, and green (GROUND) AC wires to the transformer INPUT and GROUND terminals.
2. Snap the protective cover onto the plastic standoffs to cover the terminal block.

