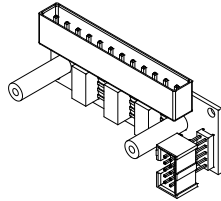


# 4-COMREL Common Relay Module Installation Sheet



## Description

The 4-COMREL provides common alarm, common trouble, and common supervisory relay outputs. It also provides connections for end-of-line resistors.

## Installation

**WARNING:** Electrocution hazard. To avoid personal injury or death from electrocution, remove all sources of power and allow stored energy to discharge before installing or removing equipment.

**Caution:** Equipment damage. Circuit boards are sensitive to electrostatic discharge (ESD). To avoid damage, follow ESD handling procedures.

### To install the device:

1. Position the 4-COMREL on the back side of the 4-CPU as shown in Figure 1, and then gently insert the pins on the 4-COMREL into the connector on the 4-CPU.
2. Secure the 4-COMREL using included hardware.

## Wiring

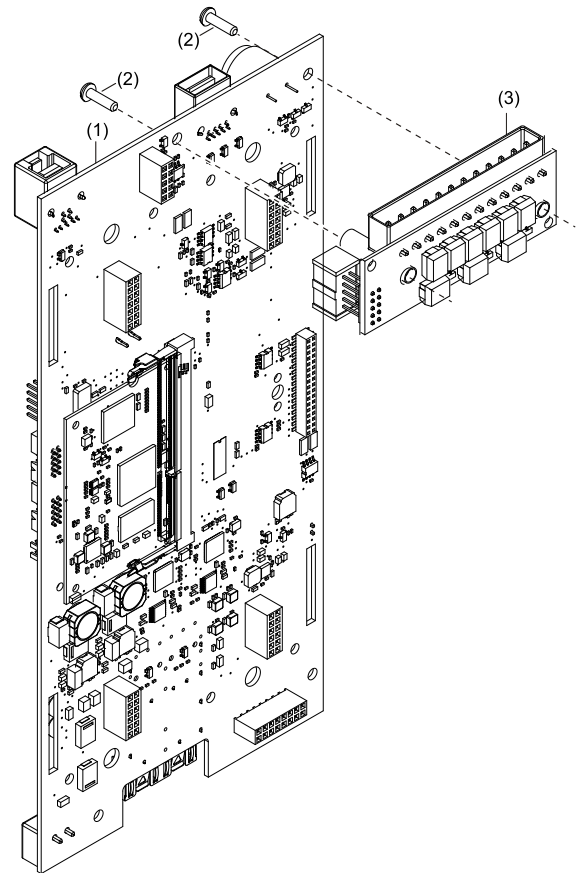
### Notes

- Common relay wiring is unsupervised and power-limited. Do not connect nonpower-limited wiring.
- For common relay wiring, the end-of-line resistor (EOLR) is determined by the initiating device circuit requirements.
- Maintain 0.25 in. (6 mm) separation between power-limited and nonpower-limited wiring at all times.
- The common trouble relay operation does not include AC trouble delay functionality and cannot be used for reporting troubles off premises.

## Specifications

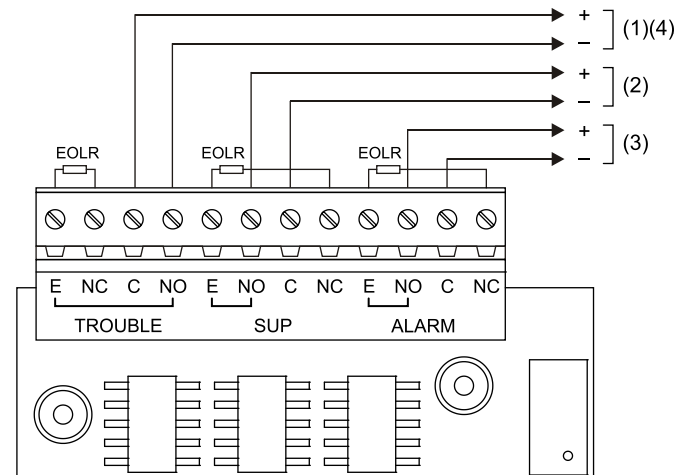
Common relays	
Current	
Standby	0 mA at 24 VDC
Alarm/active	8 mA at 24 VDC
Quantity	3 (alarm, supervisory, trouble)
Type	Form C
Rating	30 VDC at 1.0 A, 1.0 PF
Wiring	Class E
Wire size	12 to 18 AWG (4.0 to 1.0 mm <sup>2</sup> )

Figure 1: Installation



- (1) 4-CPU  
 (2) 6-32 x 0.625 screw (2X)  
 (3) 4-COMREL

Figure 2: 4-COMREL wiring



- (1) To external trouble input circuit  
 (2) To external supervisory input circuit  
 (3) To external alarm input circuit  
 (4) Shown in the powered state (trouble contact is energized at system startup)

## Contact information

For contact information, see [www.edwardsfiresafety.com](http://www.edwardsfiresafety.com).

