

# RM-2 Relay Module

## Installation Instructions

The RM-2 Relay Module is used as an end-of-line (EOL) power supervision module for 4-wire smoke detectors. The RM-2 is used with the Polarity Reversal Module PRM-4W and DSC FSA-410 series smoke detectors.

When the PRM-4W reverses polarity on the smoke detector loop to activate all smoke detector sounders, the RM-2 Relay will continue to operate normally (regardless of input power polarity). Refer to the PRM-2W/4W Polarity Reversal Module Installation Instructions

### Technical Specifications:

Operating Voltage Range: ..... 10VDC to 30VDC  
Relay Contact Rating: ..... 2A@30VDC/VAC  
Current Rating: ..... 25mA  
Operating Environment: ..... 0°C - 49°C (32°F - 120°F)  
..... 5% - 93% RH (non-condensing)  
Size (H x W x D): ..... 28.5 x 86 x 21mm / 1 1/8 x 3 3/8 x 7/8 in.  
Terminal Wire Gauge:..... 14-22 AWG

### Connection Diagram

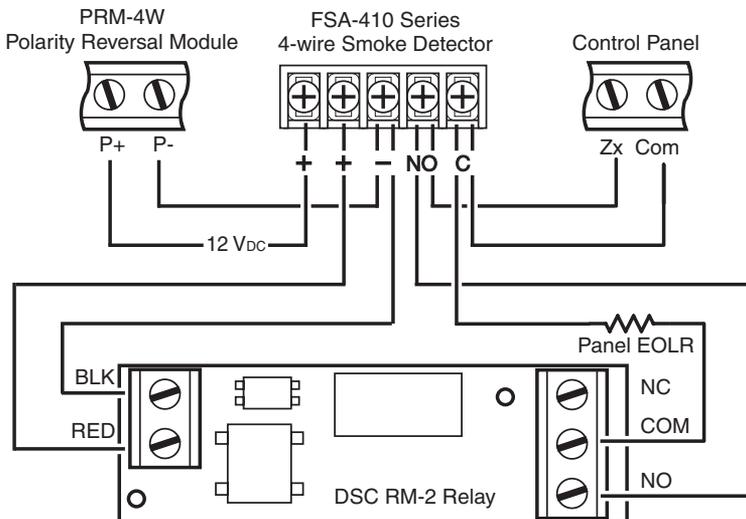
Run the connection wires through the wiring holes on the back of the unit.

### Mounting

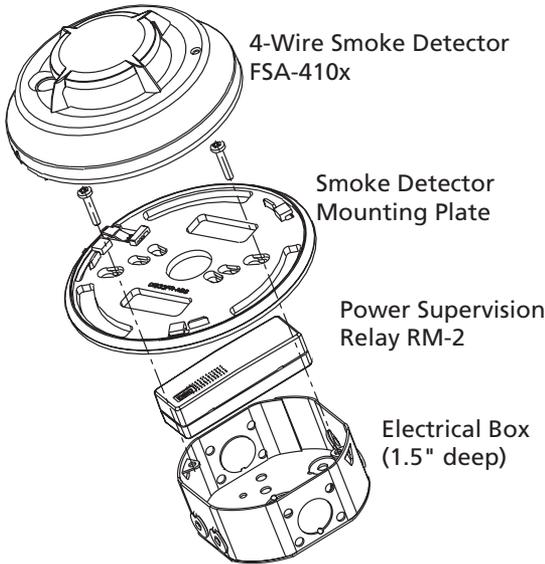
To mount the unit, remove the plastic cover and secure the unit to the desired location with the screws provided. Replace the cover.

The module can also be mounted inside a standard 4" electrical box (1.5" deep) if required by the installation. Please refer to the diagrams below:

### 4-WIRE SMOKE DETECTORS



## Mounting of the Relay in an Electrical Box



### LIMITED WARRANTY

Digital Security Controls Ltd. warrants that for a period of twelve months from the date of purchase, the product shall be free of defect in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

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**WARNING:** Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.



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