

RM-1 Installation Instructions

DESCRIPTION

The RM-1 is a DIN-rail mount, module designed to translate, control reliable, PNP-type, safety outputs, into relay outputs.

SPECIFICATIONS

Input(from safety source): 24 VDC, 2.6 VA

Outputs: 2 Normally Open and 2 Normally Closed contacts, 250 VAC, 6 A, 1,500 VA

Response Time: <0.008 seconds

Enclosure Rating: IP20

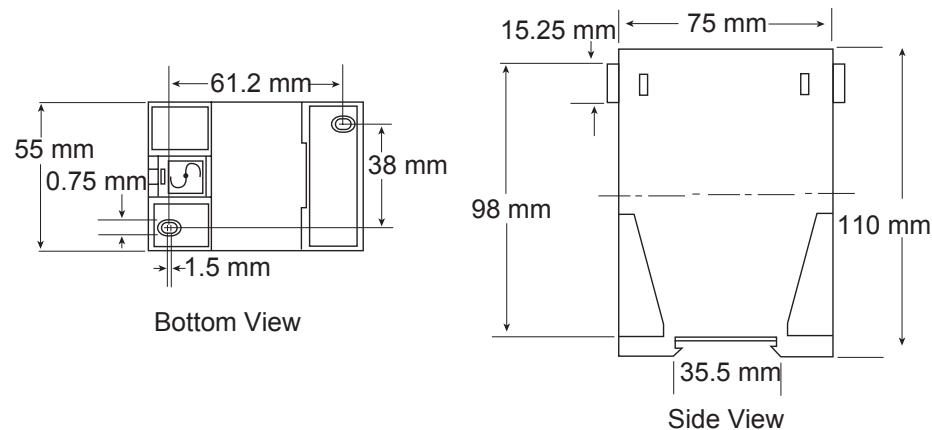
Operating Temperature: 0 to 55°C

Mounting Type: 35mm DIN rail or screw mount to metal back panel

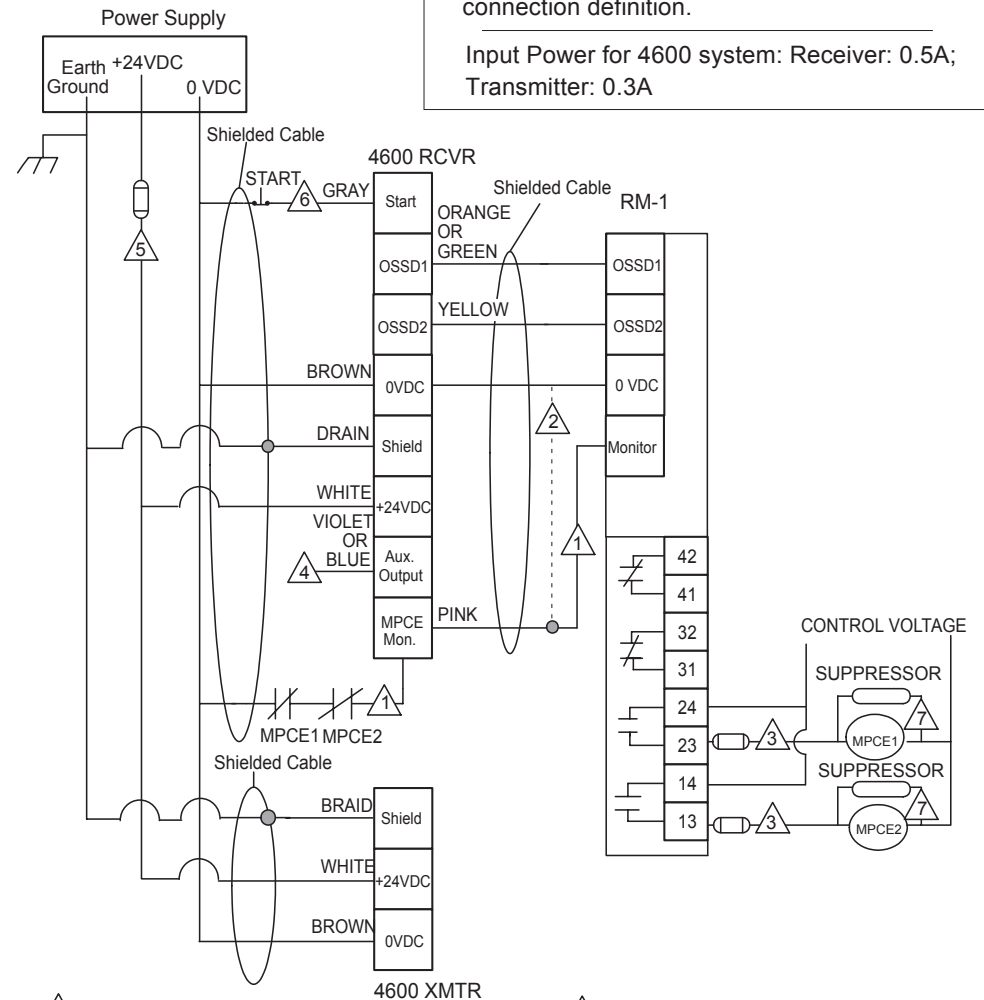
LED Indicators: 2 green – power to output relay

Terminal Block Wiring: For Weidmuller, BLZ 5.08, use 22-12 AWG, solid or stranded, 60min. Torque to 4.5 in.-lbs. For Beau Interconnect Systems series 86, use 30-12 AWG, solid or stranded, 60°C min. Torque to 5.0 in.-lbs.

Dimensional Drawings



Connection Diagrams



Note: Consult the 4600 Installation and Operating Manual for transmitter and receiver connection definition.

Input Power for 4600 system: Receiver: 0.5A;
Transmitter: 0.3A

①

Note: MPCE monitoring must be used when using the RM1. If the RM1 is the Final Switching Device connect the Pink wire to the MONITOR terminal of the RM1. If force-guided control relays are used as Final Switching Devices they must be monitored, connect the Pink wire through N/C contacts to 0 VDC. (Do not connect both)

②

Note: For testing prior to installation, the user may select MPCE OFF (default factory setting). In this case the MPCE line (pink wire) must be connected to the system 0 VDC line.

③

Note: User supplied over current protection, 6 A max.

④

Note: Auxiliary Output NPN 100 mA. max., connect to PLC (optional)

⑤

Note: User-supplied fuse

⑥

Note: If remote start is not used, connect the start line (grey wire) to 0 VDC.

⑦

Note: Verify that the final switching devices are properly suppressed.

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