

# MR-2300-PR Polarity Reversal and City Tie Module Installation

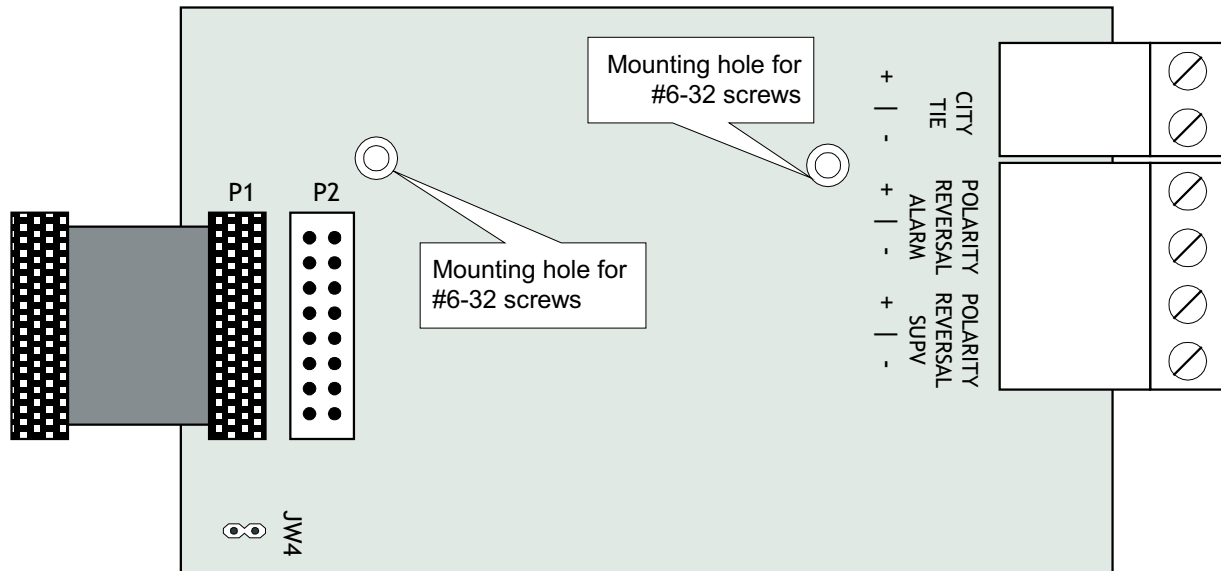


Figure 1 MR-2300-PR Polarity Reversal and City Tie Module

## Connecting the MR-2300-PR to the FACP

The following table describes which connection to attach the MR-2300-PR to on each FACP.

FACP	P1 CONNECTS TO	P2 CONNECTION	JW4
MR-2300	P5	Not Used	ON
MR-2320	P3	Not Used	ON

Table 1 MR-2300-PR P1 Connections to different FACP's

The Alarm Transmit signal to the MR-2300-PR can be programmed to turn OFF when signal silence is active. This allows the City Tie Box to be manually reset. On subsequent alarms the silenceable signals will resound and the City Tie Box will be retriggered. The Trouble Transmit signal to the MR-2300-PR can be programmed to delay AC power fail 0, 1, 2, or 3 hours if this is the only system trouble.

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# Polarity Reversal and City Tie Module Wiring

Wire MR-2300-PR Polarity Reversal and City Tie Module (if used) as shown in Figure 2 below. Power Limited cable type FPL, FPLR or FPLP must be used. For USA installation, the installer must use Atlantic Scientific (Tel: 407-725-8000), Model #24544 Protective Device, or similar UL-Listed QVRG secondary protector, as shown. For use in Canada, the Protective Device is not required but still recommended.

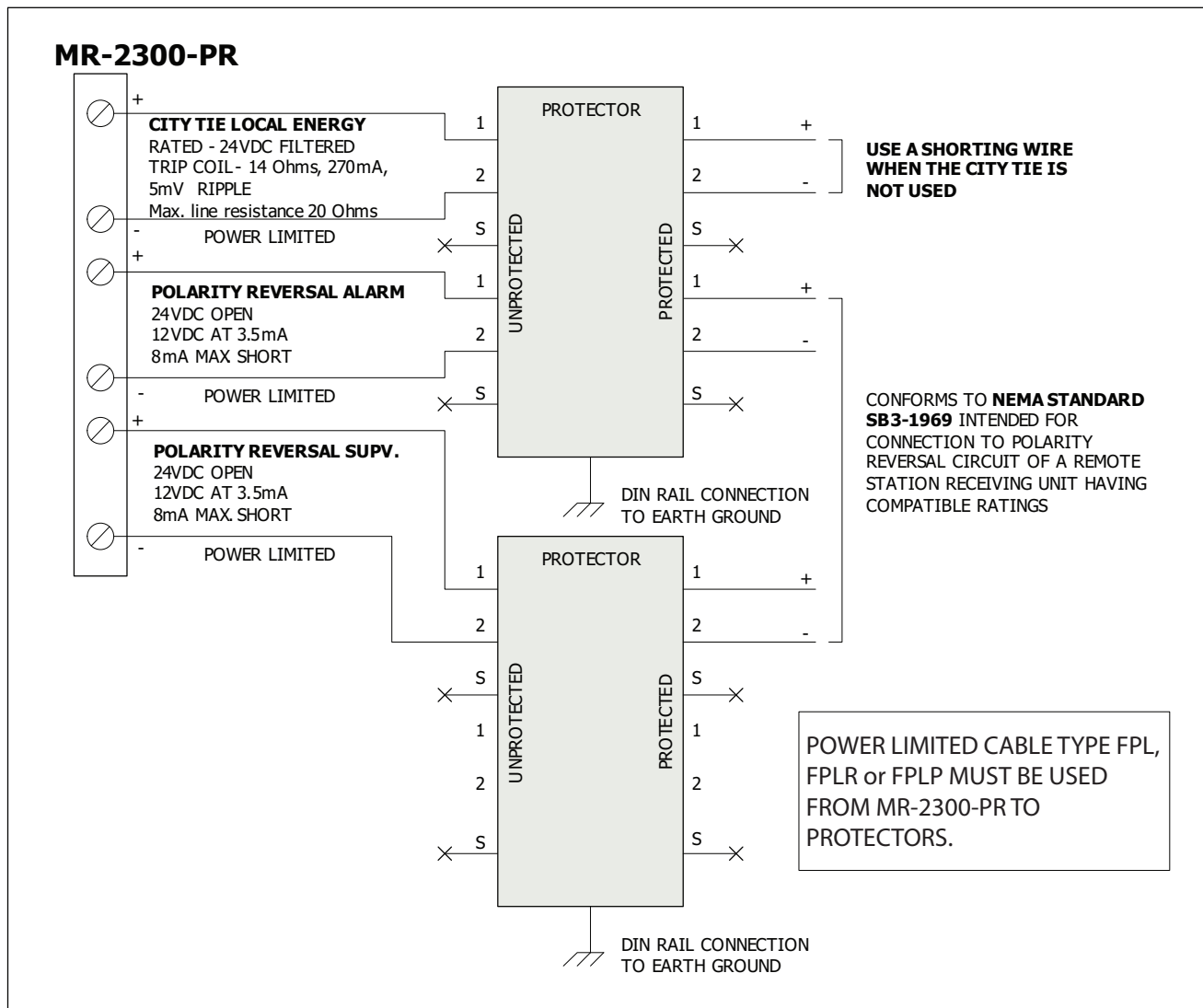


Figure 2 MR-2300-PR Polarity Reversal and City Tie Wiring

## Electrical Specifications

<b>City Tie Power Limited</b>	24V DC unfiltered	250 mA max	14 ohms trip coil
<b>Polarity Reversal Power Limited</b>	24V DC open	12V DC at 3.5mA	8.5mA max (shorted)
<b>Polarity Reversal Supv Terminal</b>	-24V DC (supervisory)	0V (trouble)	
<b>Polarity Reversal Alarm Terminal</b>	24V DC (normal)	-24V DC (alarm)	0V (trouble)
<b>Current Consumption</b>	Standby:	50mA	
	Alarm:	300mA (city tie in use)	

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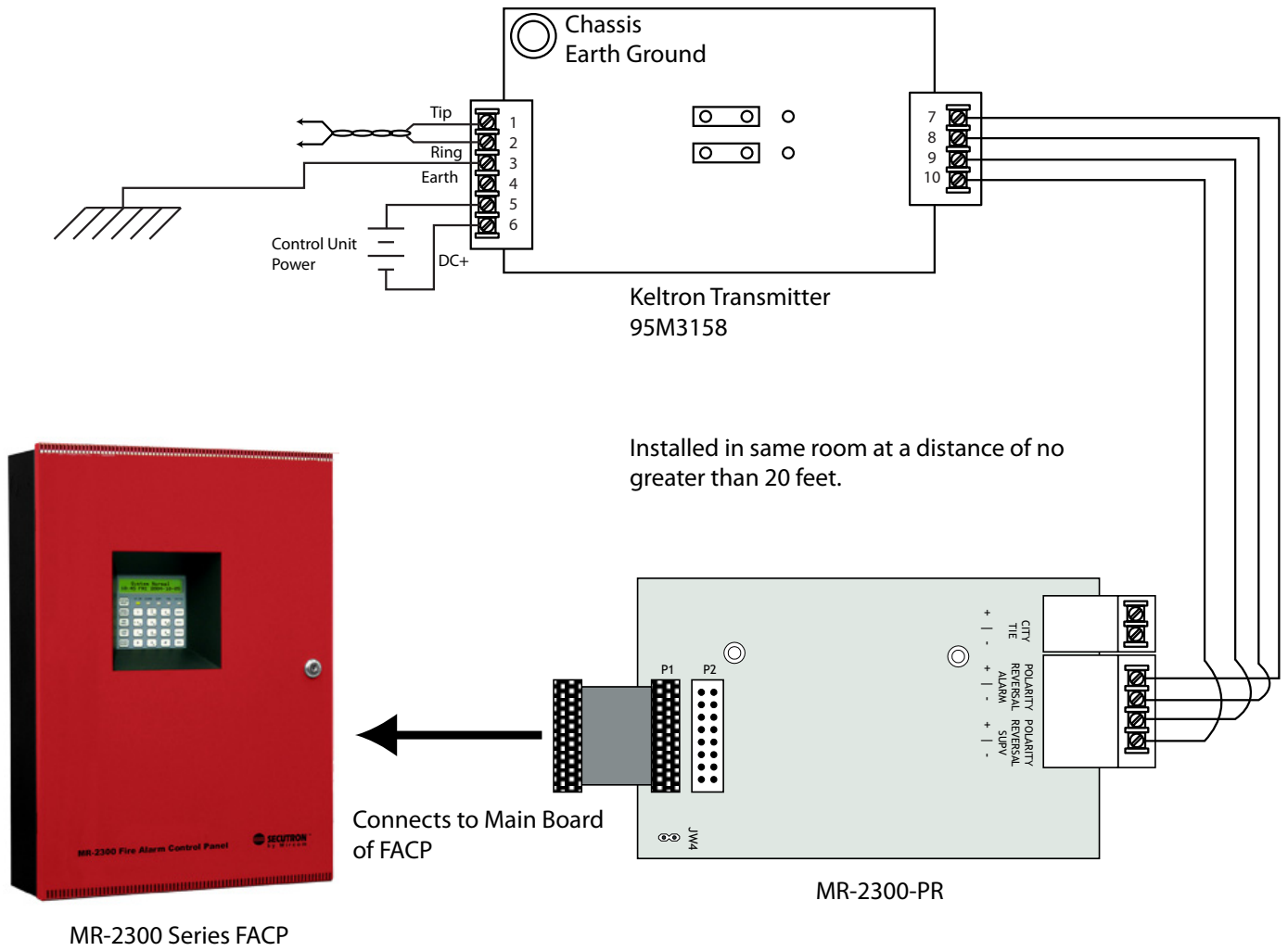
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# Connecting the MR-2300-PR to a Keltron 95M3158 Transmitter



**Figure 3 Connecting the MR-2300-PR to a Keltron 95M3158 Transmitter**

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