

PR-300 Polarity Reversal and City Tie Module Installation

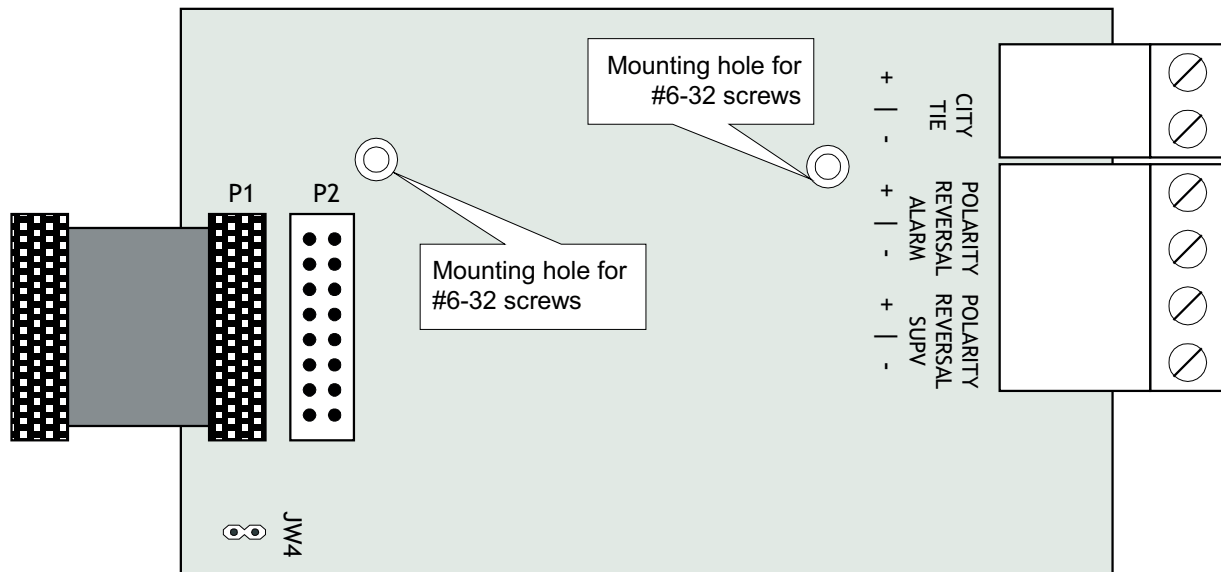


Figure 1 PR-300 Polarity Reversal and City Tie Module

Connecting the PR-300 to the FACP

The following table describes which connection to attach the PR-300 to on each FACP.

FACP Series	P1 CONNECTS TO	P2 CONNECTION	JW4
FA-1000/SFC-300	P2	Not Used	ON
FA-300/SFC-200/ MR-2300	P5	Not Used	ON
FR-320/MR-2320	P3	Not Used	ON
FX-2000	P4	P2 is for connecting the UDACT-300A if both PR-300 and UDACT-300A are installed on the panel.	If the PR-300 is used this is the last module jumper. UDACT-300A installed: OFF No UDACT-300A installed: ON
FX-350/SFC-500	P8	Not Used	ON
FX-3500/MR-3500	P8	Not Used	ON
FleX-Net™/MMX™	P4	P2 is for connecting the UDACT-300A if both PR-300 and UDACT-300A are installed on the panel.	ON

Table 1 PR-300 P1 Connections to different FACP's

The Alarm Transmit signal to the PR-300 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 PR-300 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 PR-300 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.

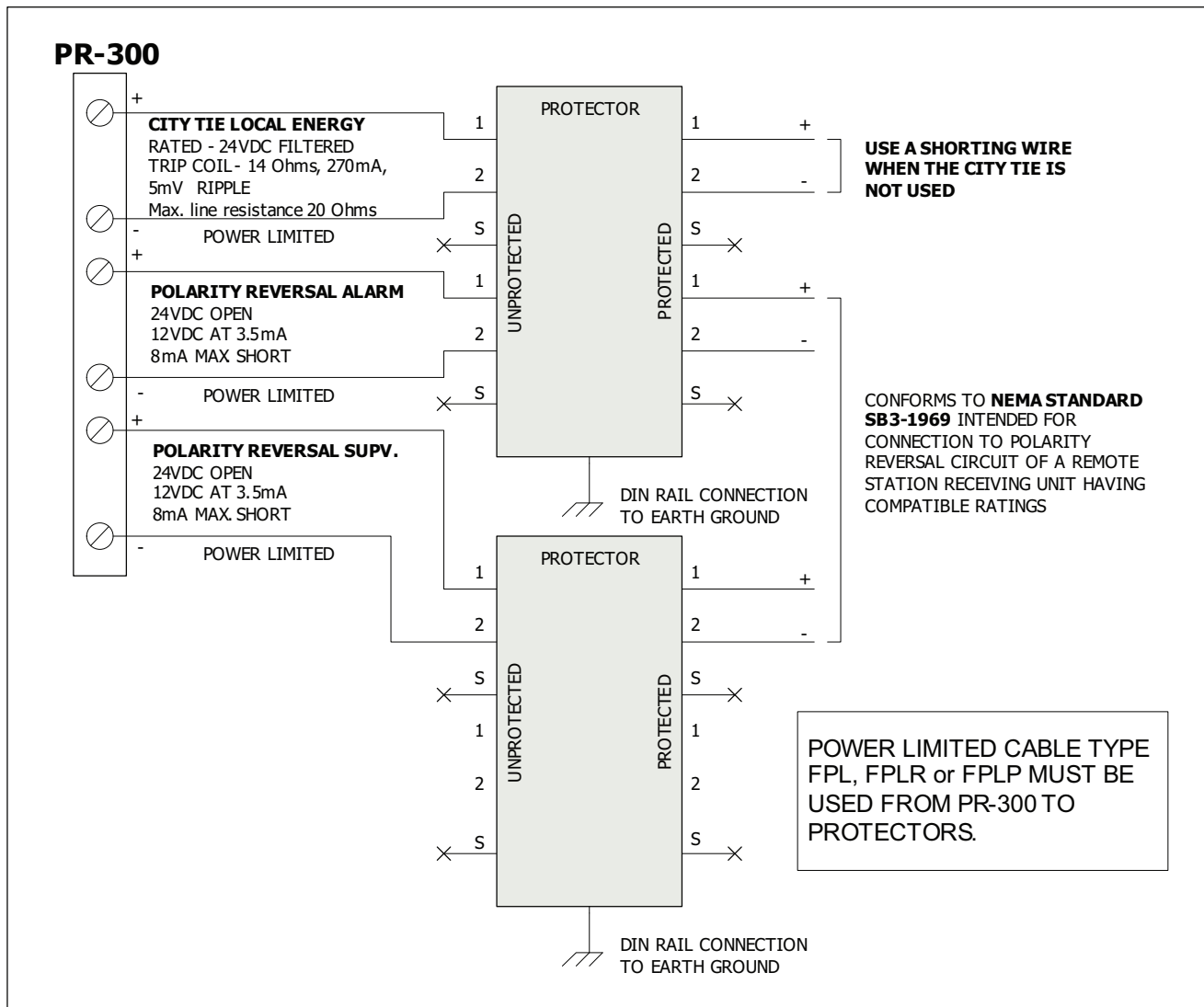


Figure 2 PR-300 Polarity Reversal and City Tie Wiring

Electrical Specifications

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

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Connecting the PR-300 to a Keltron 95M3158 Transmitter

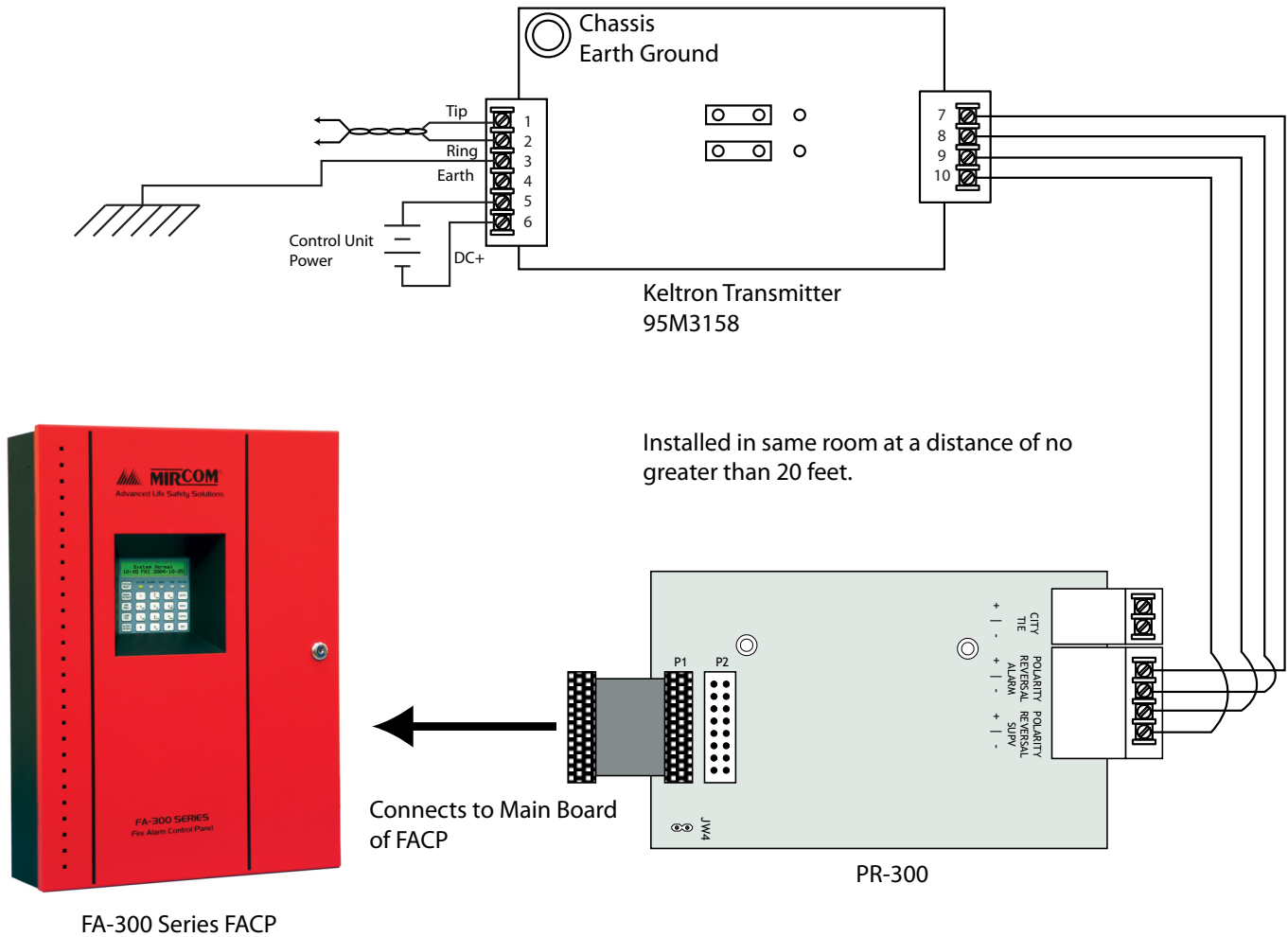


Figure 3 Connecting the PR-300 to a Keltron 95M3158 Transmitter

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