

Intrinsically Safe Relay Installation Instructions and Wiring Diagram

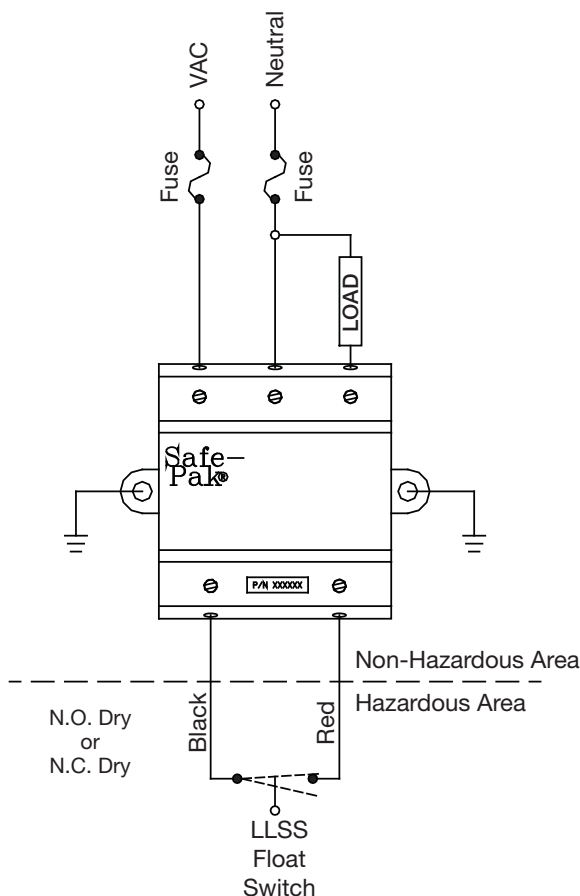


Fig. 1: Wiring Diagram

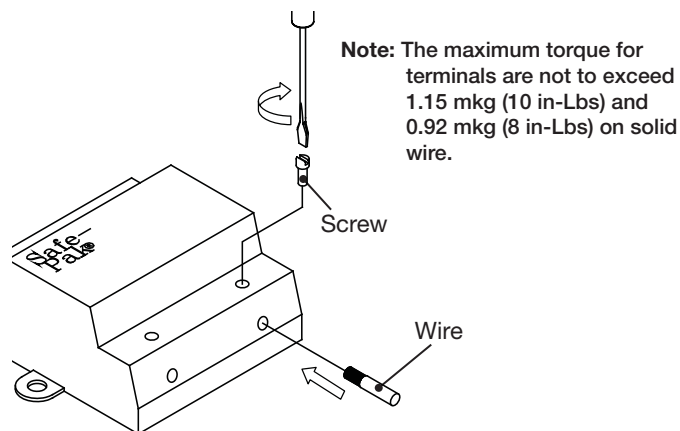
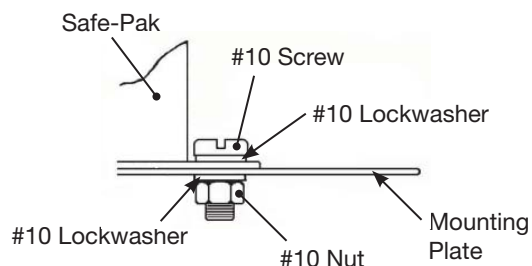


Fig. 2: Installation Diagram



- Note:** 1. Grounding hardware to be #8 or larger and stainless steel
2. Lock washer to be internal or external tooth-type

Fig. 3: Unit Mounting Detail

RELAY INSTALLATION INSTRUCTIONS

CAUTION: To prevent ignition of flammable or combustible atmospheres, disconnect power before servicing

This low sensitivity, intrinsically safe, relay is designed to be used with Parker Refrigerating Specialties liquid level float switch (LLSS) in hazardous environments.

1. The SAFE-PAK must be mounted outside the hazardous area as shown in Figure 1
2. The mounting bracket must be grounded to insure intrinsic safety. Resistance between bracket and ground electrode should be below one ohm. See Figure 3 for recommended selection of grounding hardware and refer to Article 250 of the National Electrical Code for methods and practices.

Relay Style	Operating & Load Voltage Range	Load Current Maximum	Turn-On Sensitivity (Typical) ¹	Turn-Off Sensitivity (Typical) ¹	Voltage Loss	Operating Temperature Range	Output Leakage Current Maximum
Low Sensitivity SAFE-PAK	105 - 125 VAC	5A	500 Ω	2000 Ω	2 VAC	-40°C to 48.9°C (-40°F to 140°F)	6mA @ 120 VAC

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