



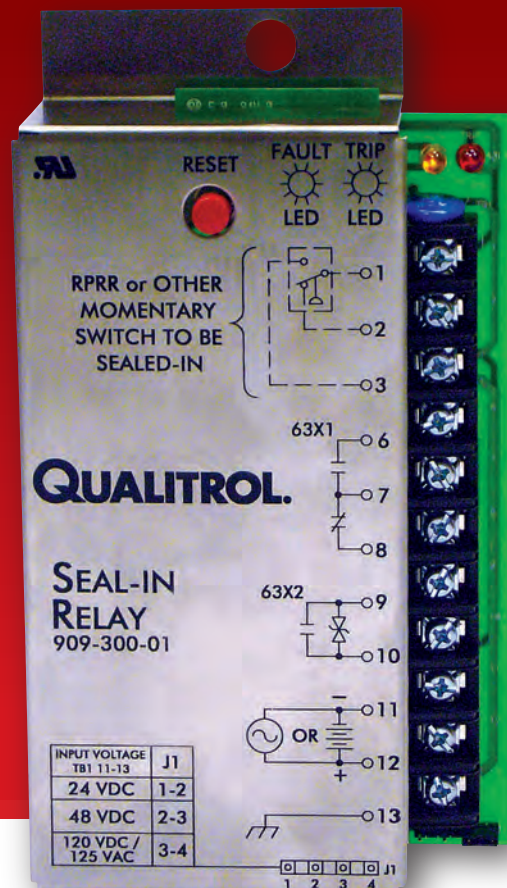
Eliminate problematic and momentary relay actions

- Configurable for use varying applications
- Corrosion resistant materials and rugged, UL listed design provide a long service life
- Designed for ease of use

Product Summary

Description For use with 900/910 series Rapid Pressure Rise Relay's and other instruments to maintain momentary alarm and trip circuits. The relay and LED indicator remains activated until the manual reset button is pressed.

Application For power transformers or any other applications which require a momentary contact signal to be maintained. Can be configured for use in AC or DC applications.



QUALITROL® 909 seal-in relay

Eliminate problematic and momentary relay actions

- The 909 seal-in relay reacts to input from a momentary signal and maintains that signal allowing for greater control functions
- Eliminates the difficulty of controlling alarms and other peripheral devices with momentary or chattering contact signals

Configurable for use varying applications

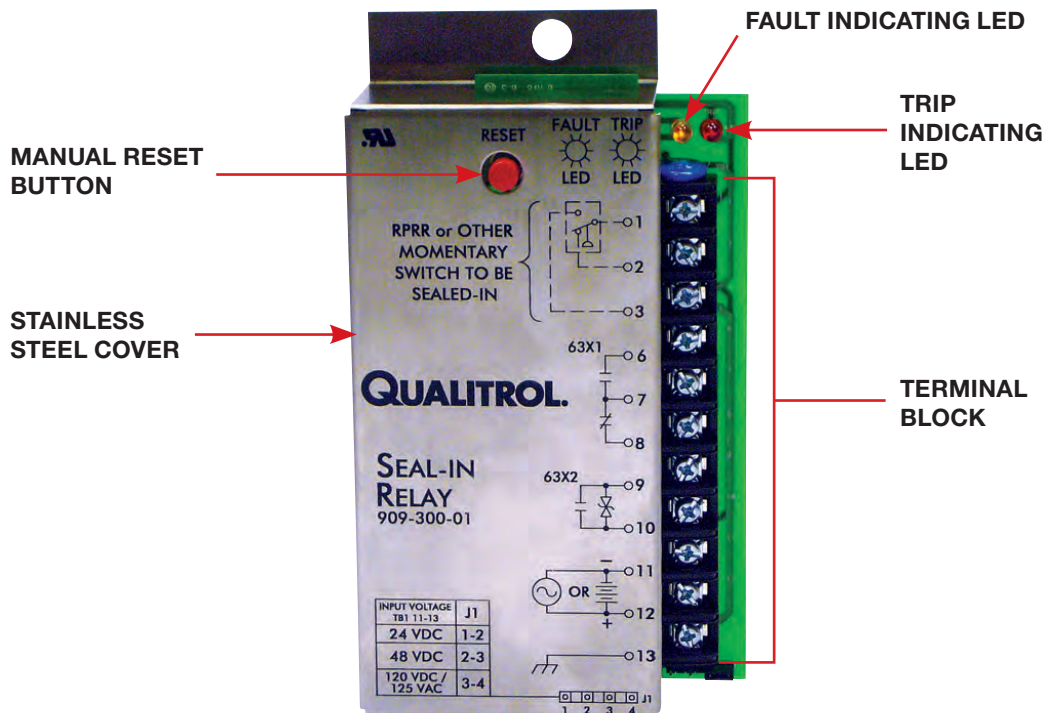
- One 909 model is configurable for 48, 125, 250 VDC or 120, 240 VAC allowing for great design flexibility
- Mounting footprint and wiring is compatible with existing installations of similar devices
- Two independent relays provide simultaneous operation for control functions

Corrosion resistant materials and rugged, UL listed design provide a long service life

- Both 909-300-01 and 909-300-02 models are UL recognized for UL508
- 909-300-02 is additionally listed for UL1604 class I, division II hazardous locations
- Stainless steel cover protects components
- Printed circuit board provides high reliability
- Seal-in function controlled by relay contact
- Trip circuit contacts are protected by surge suppressor

Designed for ease of use

- Wiring connections and jumper configurations are printed on shield
- Convenient jumper plug allows easy adaptability to various supply line voltage and current types
- Red LED indicates actuation of relay
- Yellow LED indicates a short in the switch or faulty wiring





Options and accessories

The 909 seal-in relay is often used with the QUALITROL rapid pressure rise relays



QUALITROL 900/910 Rapid pressure rise relay

- Reliable protection for transformers and personnel from pressure spikes
- Factory calibrated and tested to ensure optimal performance
- Multiple mounting options

Description

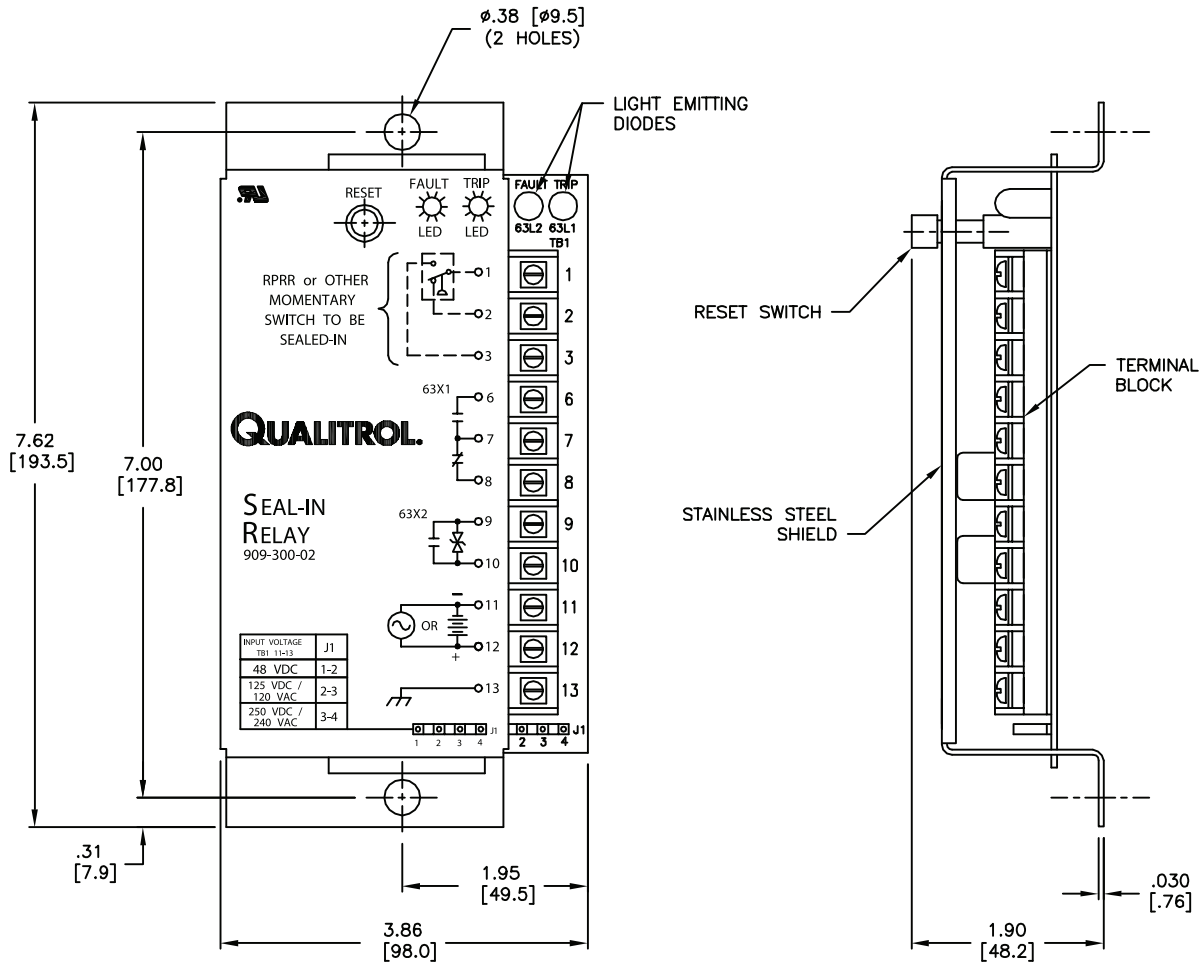
Minimizes the possibility of transformer tank damage from sudden pressure buildup that can result from internal arcing. Detects rates of pressure increase in excess of the safe limits established by the transformer manufacturer and trips the circuit breaker de-energizing the transformer.

Application

For use on both oil (900 series) and gas (910 series) type transformers. De-energizes transformer in the event of a sudden pressure spike that could cause harm to equipment and personnel.

TECHNICAL SPECIFICATIONS

| | | |
|----------------------|--------------------------------|--|
| Mechanical | Weight | 10 oz (284 g) |
| | Mounting | Designed to be surface mounted inside an enclosure |
| Materials | Shield | Stainless steel type 304 |
| Environmental | Ambient operating temperatures | -49 to 104°F (-45 to 40°C.) |
| | Surrounding air temperatures | -49 to 158°F (-45 to 70°C.) |
| | Ambient humidity | 95% non-condensing |
| | Vibration resistance | 60-120 Hz; 0.004" displacement in all three axis' |
| | Shock resistance | 10g's in all three axis' |
| | UL ratings (909-300-01) | UL508 |
| | UL ratings (909-300-02) | UL508 and UL1604 (class I, div II hazardous locations) |
| | Electrical | Number of relays |
| | Relay reaction time | < 20 ms |
| | Output styles | (1) form A and (1) form C |
| | Standard voltages | 24, 48, 125 VDC, 120 VAC or 48, 125, 250 VDC, 120, 240 VAC |
| | Electrical connections | Screw type terminal block |
| | Trip contact rating | 1/4 HP @ 125/250 VAC |
| | | 8A @ 250 VAC |
| | | 8A @ 30 VDC - resistive |
| | Alarm contact rating | 1/4 HP @ 125/250 VAC |
| | | 8A @ 250 VAC |
| | | 8A @ 30 VDC - resistive |
| | Screw terminal rating | UL 20A @ 600V |
| | Dielectric strength | 2500 VAC for one minute, TB1 1-12 to 13 |



Don't see what you need?

QUALITROL regularly creates models with special customer requirements. Contact your local sales representative or QUALITROL Application Engineer to review your special requirements.

QUALITROL® Field Services

To further improve reliability, QUALITROL provides comprehensive education and on-site commissioning services, maintenance contracts and technical support to all customers worldwide. Emergency response is available on all products and services.

About QUALITROL®

QUALITROL Company LLC manufactures substation and transformer monitoring and protection devices used by electric utilities and manufacturing companies. It is the global leader in sales and installations of transformer asset protection equipment, fault recorders and fault locators. Established in 1945, QUALITROL Company produces thousands of different types of products on demand, each customized to customers' unique requirements.

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