Using solid state technology, the Series 3000MR and 3000MRS Photohelic® switch/gages combine the functions of a precise, highly repeatable differential pressure switch with a large easy-to-read analog pressure gage employing the durable, time-proven Magnehelic® gage design. Switch setting is easy to adjust with large external knobs on the gage face. Gage reading is unaffected by switch operation — will indicate accurately even if power is interrupted. Solid state design now results in greatly reduced size and weight. Units can be flush mounted in 4-13/16˝ (122 mm) hole or surface mounted with hardware supplied. 3000MR models employ versatile electromechanical relays with gold over silver contacts — ideal for dry circuits. For applications requiring high cycle rates, choose supplied. 3000MR models employ versatile electromechanical relays with gold over silver contacts.

### INCLUDED ACCESSORIES
- Mounting ring, snap ring
- 18˝ (45 cm) OD x 3-1/8˝ (79.38 mm).
- Mounting Orientation:
  - Add suffix -LT for Low Temperature Option
  - Add suffix -MP for Medium Pressure Option
- Tamper-proof Knobs, require spanner type key (supplied) to change setpoints. Add suffix -TAMP.

### PRESSURE CONNECTION
- Power Requirements: 24 VDC, regulated ±10%.
- Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.
- Set Point Adjustment: Adjustable knobs on face.
- Agency Approvals: CE.

### SWITCH SPECIFICATIONS 3000MRS
- Switch Type: Each setpoint has a solid state relay.
- Switching Voltage: 20-280 VAC (47-63 Hz).
- Switching Current: 1.0 amp (AC) max., (2) SPST NO.
- Electrical Connections: 18˝ (46 cm) cable assembly with 6 conductors, optional lengths to 100’ (30.5 m).
- Switching Voltage: 2.0-280 VAC, 0.5A @ 125 VAC.
- Dimensions: 2-1/2˝ (63.50 mm) face. Gage reading is unaffected by switch operation — will indicate accurately even if power is interrupted. Solid state design now results in greatly reduced size and weight.

### SPECIFICATIONS
**GAGE SPECIFICATIONS**
- Service: Air and non-combustible, compatible gases.
- Wetted Materials: Consult factory.
- Accuracy: ±2% of FS (3000-0 ±3% of FS).
- Temperature Limits: 35 psig (2.41 bar), HP option; 80 psig (5.5 bar).
- Pressure Limits: -20 Hg. to 25 psig (-0.677 bar to 1.72 bar).

**PRESSURE CONNECTION**
- Optional lengths to 100´ (30.5 m).
- General: Optional lengths to 100´ (30.5 m). Steel with gray hammertone epoxy finish.

**OPTIONS & ACCESSORIES**
- Tamper-proof Knobs, require spanner type key (supplied) to change setpoints. Add suffix -TAMP.
- Low Temperature Option for use under 20°F (-6.7°C).
- Medium Pressure increases maximum rated pressure to 35 psig (2.41 bar). Add suffix -MP.
- High Pressure increases maximum rated pressure to 80 psig (5.5 bar). Add suffix -HP.
- Weatherproof Housing Option.
- NIST traceable calibration certificate, add suffix -NIST to model numbers.

**PRICES**
- Items are net priced and are not subject to any discount.
- Add suffix -LT to Low Temperature Option.
- Add suffix -MP to Medium Pressure Option.
- Add suffix -HP to High Pressure Option.