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.

- **Accuracy**: ±2% of full scale
- **Temperature Limits**: 20 to 120°F (-6.7 to 48.9°C)
- **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

**SPECIFICATIONS**

- **GAGE SPECIFICATIONS**
- **Service**: Air and non-combustible, compatible gases.
- **Wetted Materials**: Consult factory.

**PRESSURE CONNECTION**

- 1/8˝ Female NPT High

**Electrical Connections**:

- Relay Contacts: (Resistive load) 1 form C rated 1.0A @ 30 VDC, 0.3A @ 110 VDC or 0.5A @ 125 VAC.
- Switch Type: Each setpoint has 1 form C relays (SPDT).

**Switching Current**:

- 20-280 VAC (47-63 Hz).

**Agency Approvals**:

- CE

**Options**

- 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). Add suffix -LT
- Medium Pressure increases maximum rated pressure to 35 psig (2.41 bar). Add suffix -MP
- High Pressure increases maximum rated pressure to 80 psig (5.52 bar). Add suffix -HP
- Weatherproof Housing Option. Add Suffix -WP

**NIST Traceable Calibration Certificate**

- Add suffix -NIST to model numbers.

**ORDERING INFORMATION**

- Example: 3001MR-NIST.