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.

Each setpoint has ±3% of full scale. (3000-00 ±4% of full scale).

**SPECIFICATIONS**

**GAGE SPECIFICATIONS**

Service: Air and non-combustible, compatible gases.

Wetted Materials: Consult factory.

Accuracy: ±2% of full scale (3000-0 ±3% of full scale). (3000-00 ±4% of full scale).

Pressure Limit: -20” Hg to 25 psig (-0.677 bar to 1.72 bar). MP option; 35 psig (2.41 bar), HP option; 80 psig (5.52 bar).

Temperature Limits: 20 to 120°F (-6.7°C to 48.9°C).

Process Connections: 18” female NPT (duplicated side and back).

Size: 4” (101.6 mm) dial face, 5” (127 mm) O.D. x 3-1/8” (79.38 mm).

Weight: 1.8 lb (816 g).

**SWITCH SPECIFICATIONS 3000MR**

Switch Type: Each setpoint has 1 form C relays (SPDT).

Relay Contacts: (Resistive load) 1 form C rated 1.0A @ 30 VDC, 0.3A @ 110 VDC or 0.5A @ 125 VAC. Gold over clad silver — suitable for dry circuits.

Electrical Connections: 18” (46 cm) cable assembly with 6 conductors, optional lengths to 100’ (30.5 m).

Series 3000MR, 3000MRS Photohelic®

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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 (5.5 bar). Add suffix -HP

Weatherproof Housing Option. Add suffix -WP

A-298, Flat Aluminum Bracket for flush mounting 3000MR/MRS

A-370, Mounting Bracket flush mount 3000MR/MRS bracket. Bracket is then surface mounted. Steel with gray hammertone epoxy finish A-600, R/C Snubber recommended for inductive loads like a solenoid or contactor