



Hydracon Company, Inc.

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Submersible Proximity Switch 1800 Series



Proximity Switch w/ Molded Cable | Optional Magnet Actuator

10,000 PSI Ocean Ambient
Low Hysteresis
2 Wire System

Hermetically Sealed
Magnet Actuated
Transmitter Not Required

Robust & Dependable
Shock & Vibration Resistant
Zero Power Consumption

Meets IPX8 of IEC 529 for protection against the effects of continuous immersion in water.

Fly-By Counter Switch, Installations, Docking, Connectors, Marine Dredge Buckets, Risers.

Actuation Distance (approx.)

0.63 inch using optional magnet actuator 1899-100

0.26 inch using optional magnet actuator 1899-101

Model 1800-201 Lead wires only. Optional single-pin underwater connectors.

Model 1800-202 Water-blocked molded cable specified length. Optional underwater connector.

Specifications:

1. Switch, Proximity, SPST, N.O. (form A)
2. Magnet Actuated
3. Hysteresis as low as .020"
4. Pressure Tested - 10,000 psi
5. Materials - 316 SS
6. RoHS Compliant
7. Size: 3/4"-16 thread x 1.75" long (plus mold)
8. Weight: 2 oz.
9. Contact Rating: 10 W/VA max.
10. Voltage Switching: 200 Vdc max. / 140 Vac max., Breakdown: 250 Vdc min.
11. Current Switching: 0.50 Adc max. / Aac 0.35 max., Carry 1.00
12. Temperature Operating: -40 to +125 C, Storage -65 to +125 C
13. Operate Time - 0.5ms max.
14. Release Time - 0.1ms max.
15. Shock - 11ms 1/2 sine wave 100G max.
16. Vibration Frequency - 500-2000 Hertz 30G max