



HYDRACON SUBSEA

SUBSEA SWITCH

FOR DREDGE SERVICE



Subsea Proximity Sensor 1800-202 with Magnet Actuator 1899-100

FEATURES:

- **ROBUST & DEPENDABLE**
- TO 10,000 PSI OCEAN AMBIENT
- ZERO POWER CONSUMPTION
- 2-WIRE SYSTEM
- NO TRANSMITTER NEEDED
- HERMETICALLY SEALED
- SHOCK RESISTANT
- LOW HYSTERESIS
- ABUNDANT OVERTRAVEL

Specification:

- | | |
|--|---|
| 1. Switch, Proximity, SPST, N.O. (form A) | 7. Magnet actuated |
| 2. Contact rating: 50W switching capability, to 500 V. | 8. Hysteresis: 0.020" to 0.040 inch * |
| 3. Contact life: 1 x 10 ⁶ Ops @ 50V, 1.0A
200 x 10 ⁶ Ops @ 1.0V, 10mA | 9. Ambient: tested to 10,000psi ocean pressure |
| 4. Contact bounce: none | 10. Materials: 316L SS |
| 5. Vibration Res.: 20g @ 10 Hz – 500 Hz | 11. Size: 3/4"-16 thread x 1.75" long (plus mold) |
| 6. Shock Res.: 50g @ 11 ms, 1/2 sine wave | 12. Weight: 2 oz. (pre-molded) |

* Hysteresis (the distance between switch on and switch off) ranges from 0.020 to 0.040 inch.

ACCURATE POSITION SENSING

Sensing range: using Actuator 1899-100: approximately 0.63 inch.
using Actuator 1899-101: approximately 0.26 inch.

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