HYDRACON COMPANY, INC.

THE ULTIMATE SUBSEA SWITCH

Features:

- **RELIABILITY** and LONG SERVICE LIFE
- CORROSION RESISTANT **TITANIUM**
- SUBMERSIBLE TO **10,000 PSI** AMBIENT
- ZERO POWER CONSUMPTION
- LONG CONTACT LIFE
- BOUNCE FREE SWITCHING
- LOW HYSTERESIS (no internal frictional parts)
- ABUNDANT OVERTRAVEL
- HERMETIC SEALED
- MEETS IPX8 OF IEC 529
  (Protected against continuous immersion)
- **NAVSEA QUALIFIED**

Specification:

1. Limit Switch, ocean submersible
2. Design pressure: to 10,000 psi ocean ambient
3. Materials: Titanium and Hasteloy
4. Electrical: SPST, N.O. (form A)
   Switching Voltage: 500 Volts max.
   Switching Current: 2 Amps max.
   Contact Rating: 50 Watts max.
   Carry Current: 3 Amps max.
5. Stroke: 0.52" full travel max., 0.40" overtravel max.
6. Available with PBOF adaptor fitting (shown)
7. Size: 0.850" dia. x 3.65" long (less adaptor)
8. Weight: 6 oz. (includes PBOF adaptor)

Model 1812-100

Limit Switch 1812-100 was specifically designed to provide greatly improved reliability, and is used by Northrop Grumman on the Advanced Seal Delivery System (ASDS), 1812-201 is the Nuclear Radiation Resistant version used by G.E. Nuclear.

Switches can be supplied with a PBOF (pressure-balanced-oil-filled) adapter, straight or right angle, or with a molded underwater cable and underwater connector. Custom configurations are available. This technology is applicable in Proximity Switch, or in Diver-Operated switch configurations.

Titanium provides virtual immunity to seawater corrosion, thereby significantly increasing service life and reducing subsea maintenance and downtime costs. Titanium is used in subsea systems for its corrosion resistance, for maintenance reduction, and for its mechanical property advantages. With Titanium subsea reliability is improved.

Hydracon is recognized by their customers for products of high quality and reliability.

Contact Hydracon Engineering for information on **"The advantages of using titanium in subsea service"**

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