



HYDRACON COMPANY, INC.

DIVER OPERATED PUSH BUTTON SWITCH – Model 1809-100

Features:

- ***NEW IMPROVED SENSING ELEMENT***
- ZERO POWER CONSUMPTION
- 2-WIRE SYSTEM
- SMOOTH OPERATION
- INSENSITIVITY TO AMBIENT PRESSURE
- BOUNCE FREE SWITCHING
- LOW HYSTERESIS
- LONG CYCLE CONTACT LIFE
- VIBRATION & SHOCK RESISTANT

Specifications:

1. Push Button Switch, form A (SPST, N.O.)
2. Contact rating: 50W switching capability, up to 500V.
3. Contact Life: 1 x 10⁶ Ops. @ 50V, 1.0A
200 x 10⁶ Ops. @ 1.0V, 10mA
4. Contact bounce: none
5. Vibration Res.: 20g @ 10 Hz – 500 Hz
6. Shock Res.: 50g @ 11 ms, ½ sine wave
7. Hysteresis: as low as 0.020"
8. Ambient proof test: 24 hrs @ 135 psi
9. Materials: 316 stainless steel
10. Size: 1.25" square x 1.4" height
11. Weight: 4.3 oz.



This hermetically sealed switch was custom designed for use in Pendant Switch 1810-100, used by *Navy Seals*, requiring high reliability and insensitivity to the ocean pressure. A new sensing element provides the low hysteresis needed for the short switch length.

Other desirable features of the new sensing element led to the design of a new Proximity Switch 1800-202, used as a fly-by counter switch.

This is a two-wire system – no transmitter is needed.

This technology brings a new generation of proximity, limit, push button, and pressure switches.

Custom configurations are available. Please call for further information.