

HLR 350-10 Electric Sand Probe Switch

The HLR 350-10 Electric Sand Probe Switch is a SPDT single pole double throw switch that will provide an electrical output to a receiving circuit or device upon erosion of a Sand Probe Element. The switch will provide output to the Normally Closed (Red) lead with the sand erosion probe sealed. Once the Sand erosion probe has been penetrated, media or process pressure will shift the switch to show output at the Normally Open (Blue) lead. Once the probe is changed and pressure is taken off the switch it will automatically reset.



Electric Sand Probe Switch

HLR 350-10

Design Features:

1. 4. 875 OAL x 1.250 OD
2. Sensor Port: 316 SS
3. Seals: Viton
4. Working Pressure: 10,000 PSI Max.
5. Proof Pressure: 15,000 PSI

Electrical Form:

Approvals: UL Listed File: CSA Certified File:
Class I, Divisions 1 & 2, Groups A, B, C, D
Class II, Divisions 1 & 2, Groups E, F, G
CENELEC flame proof construction per Eex d IIC T6
Enclosure Classification: NEMA 4X, 7, 9; IP66
Switch Output:
SPDT - Single Pole Double Throw

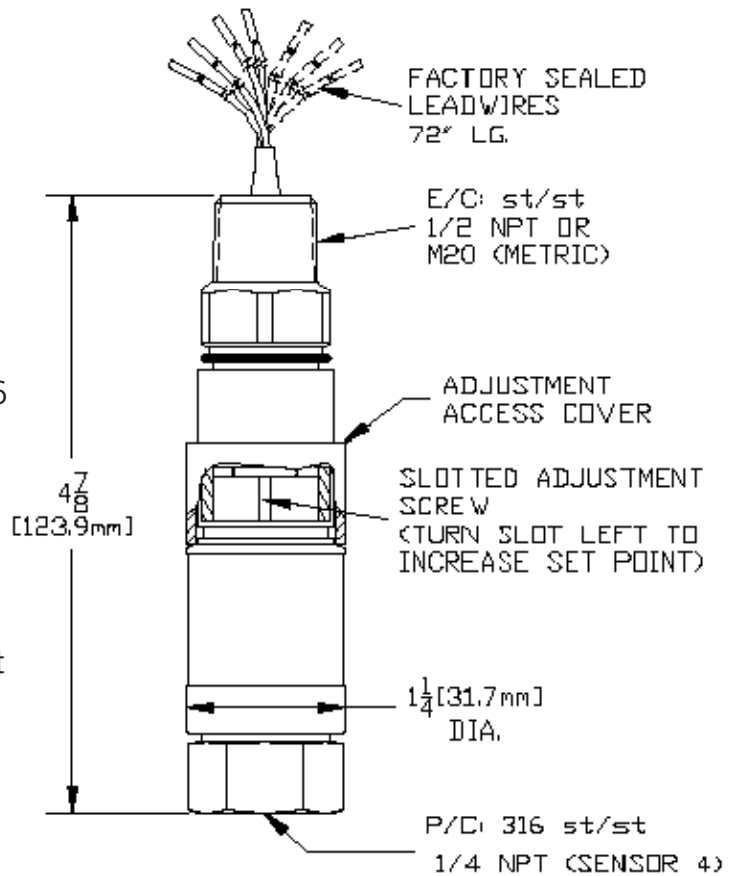
Electrical Ratings:

- 5 AMP @ 125/250 VAC
- 3 AMP Inductive @ 24 VDC

Electrical Connection: 1/2" - 14 NPT Male Conduit Connection

Wire: 4-PVC insulated 18 AWG leads 72" long.

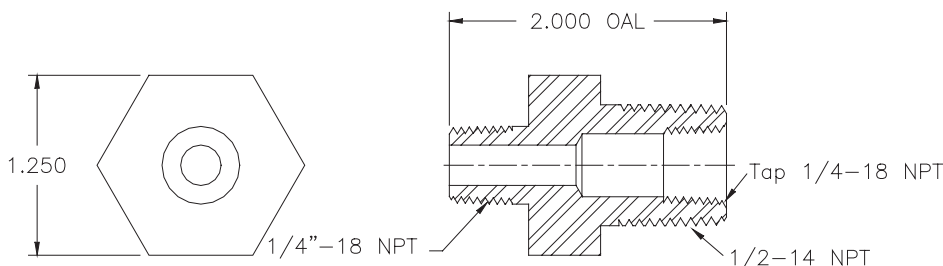
Contacts: RED--Normally Closed (NC)
BROWN--Common (C)
BLUE--Normally Open (NO)
GREEN-- Ground (G)



Sand Probe Adaptor

HLR 32-40

The HLR Sand Probe Adaptor is the central component in the three piece electric sand probe assembly. Both the HLR 350-10 Electric Sand Probe Switch and the HLR sand probe element are connected to the adaptor. The HLR 32-40 Adaptor is installed into the process connection on the flowline using the 1/2" MNPT thread.



Design Features:

Dim: 1.250" x 2.000"L.

WP: 10,000 PSI

Weight: 3/4 lb.

Material: 316SS

Connections

Switch
1/2" - 14 FNPT

Sand Probe Element
1/4" - 18 FNPT

Process
1/2" - 14 MNPT

*Sand Probe Elements are selected by pipe size and operating pressure.

www.HLRContols.com