KENCO PROXIMITY SWITCH FOR MECHANICAL LUBRICATOR DIVIDER VALVES

APPLICATION

The Kenco Proximity Switch provides a switch signal used to detect the absence of flow in a continuously operating compressor lubrication system by monitoring cyclic movement of the divider valve piston.

OPERATING PRINCIPLE

The Kenco Proximity Switch assembly's operative components are a reed switch and a magnet that sense the movement of the divider valve piston when it is cycling. It is installed in place of the piston end plug in the divider valve block. When installed, the switch magnet rests against the divider valve piston. The magnet is housed in the switch body parallel to the reed switch. Each time the divider valve pulses with a lubrication cycle, the piston moves the magnet, opening and closing the contacts of the reed switch. The switch contact may be used to complete a circuit to an external unit such as a PLC, an auxiliary counter, indicator or other type of control.

SPECIFICATIONS

- CSA NRTL/C Certified for Class I, Groups A, B, C, and D; Class II, Groups E, F, and G; Class III, Enclosure Type 4
- Switch Circuitry: S.P.S.T.
- Maximum Switch Current: 0.5 Amps AC/DC
- Maximum Switch Voltage: 200 Volts AC/DC
- Maximum Switch Power: 100 Watts DC
- Maximum Temperature: 221° F

MODELS AVAILABLE

25654-DR = Proximity Switch for Dropsa divider valves
25654-ML = Proximity Switch for Modular Lube (Lincoln) divider valves
25654-T1 = Proximity Switch with metal gasket seal for Trabon (1994 or earlier) divider valves
25654-T2 = Proximity Switch with O-ring seal for Trabon (1995 and later) divider valves

TECHNICAL DRAWING - MODEL 25654-T2

- Dimensions are for reference purposes only and are subject to change at any time without notice.
- Visit the Kenco website at "www.kenco-eng.com" for drawings of other standard models available.