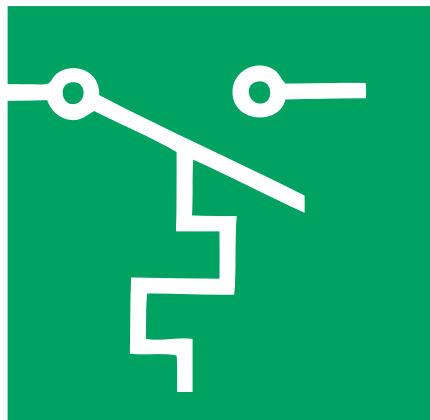


PNEUMATIC TEMPERATURE SWITCH [NON-ELECTRIC]



Description

The pneumatic temperature switch combines a temperature sensing element and a spool valve to produce a switching device with an adjustable setpoint. The assembly is non-electric, using only air or inert gas in the switch unit.

The assembly consists of two components, a switch unit and a transducer unit. The switch unit contains a mechanically actuated, five ported spool valve which provides the output signals. The transducer unit senses the temperature of a wide variety of liquids or gases and transmits a mechanical movement, at the preset temperature, to the switch unit.

Features

- Non-electric operation.
- Adjustable switch point.
- Excellent repeatability.
- Scale for reading switch point setting.
- Compact size.
- Open or enclosed (raintight) assemblies.
- Copper or stainless steel sensing element.
- Temperature setpoint from -60°F to +510°F.
- Direct mount (local) or capillary and bulb (remote) construction.
- Withstands high overrange temperatures.

Specifications

SWITCHING VALVE

- 5 ported, 4 way**
- 10-32 threaded female connections**
- Operating pressure** of 5 working ports vacuum to 100 psig.
- Working Fluid**-Clean Dry Air or Inert Gas.
- Air Usage**-Leakage to atmosphere approximately .002 SCFM at 100 psig.

Cv-.12

Flow Capacity-6.5 SCFM at 100 psig.

Ambient Temperature-minus 4°F to plus 122°F

TEMPERATURE TRANSDUCER

Sensor Materials-Sensing bulb available in copper or 316 SS.

Direct Mount Connection-1/2" NPT

Capillary and Bulb Connection-Fits into thermal well or union connector. Bulb is 3/8" diameter (details on reverse side)

Setpoint Range-minus 60°F to plus 510°F

Deadband-8°F or less

Ordering Information

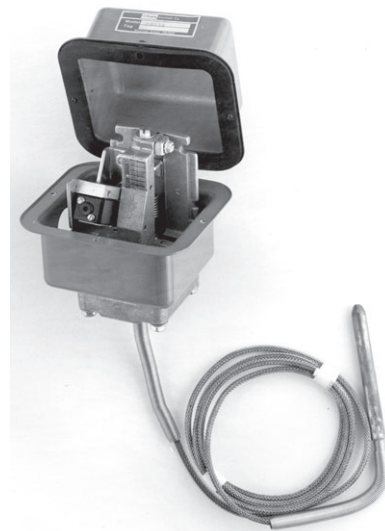
A temperature switch assembly consists of a switch unit and a temperature transducer unit.

For Example:

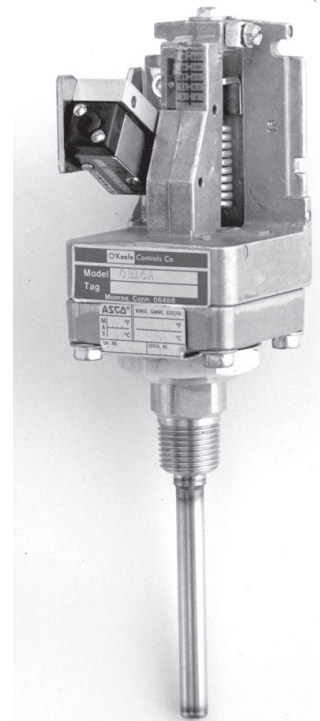
OB16A / OKF11A1
Open Frame 6' Capillary (Cu)
Switch Unit Transducer Unit
Range 50-160°F

To select an assembly refer to specifications chart on reverse side.

1. Determine the adjustable temperature range required (left column).
2. Check that rated overrange temperature is sufficient for the application.
3. Read across and select either an open frame or enclosed switch unit (OB16A or OB11A).
4. Continue across the same line and select the required direct mount or capillary and bulb transducer unit.



Pneumatic temperature switch with capillary and bulb transducer unit. Enclosed switch unit shown.



Pneumatic temperature switch with direct mount transducer unit. Open switch unit shown.

Phone 800-533-3285

Location

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O'Keefe Controls Co.

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