

Series TBS3000 & VTBS3000

Series TBS3000 fixed set point pressure switches and VTBS3000 fixed set point vacuum switches convert a pressure signal to an electrical output. In response to a change in pressure, movement of an elastomeric diaphragm opens or closes an electrical circuit based on a predetermined pressure set point. Fixed set point style switches are widely used where basic on/off switching is required. The non-adjustable fixed set point feature provides excellent tamper-proof protection. Several standard fixed set points are available ranging from 3/4 PSI to 2 1/2 PSI (5.17kPa to 17.24 kPa) on positive pressure and -0.8 PSI to -5 PSI (-5.51kPa to -34.47kPa) on negative pressure. Series TBS3000 and VTBS3000 switches provide control stability through wide variable temperature and humidity conditions and assure uninterrupted service under extreme shock and vibration. As with all Tecmark® products, these switches provide superior performance and 100,000 cycle life under full mechanical, electrical and thermal loads.

TYPICAL APPLICATIONS

Commonly used as an interlock device to sense air or water pressure at a specific set point. Series TBS3000 and VTBS3000 provide on/off control of a variety of electrical devices including electric heaters and pumps in fluid flow systems as well as other electrical equipment.

BASIC CONSTRUCTION

- EPDM diaphragm material
- Factory set non-adjustable fixed set points
- Durable Thermoplastic Construction
- UL Recognized, Canadian and United States, as an operating, limit or safety control

AVAILABLE FEATURES

- Fixed set point ranges as low as 3/4 PSI up to 2.5 PSI (5.17kPa to 17.24kPa) on positive pressure and fixed set point ranges as low as -0.8 up to -5 PSI on increasing or decreasing vacuum pressure (-5.51kPa to -34.47kPa)
- SPST or SPDT switching logic
- 1/4" male quick connects
- 1/8" NPT male pressure fitting
- Alternative diaphragm materials available

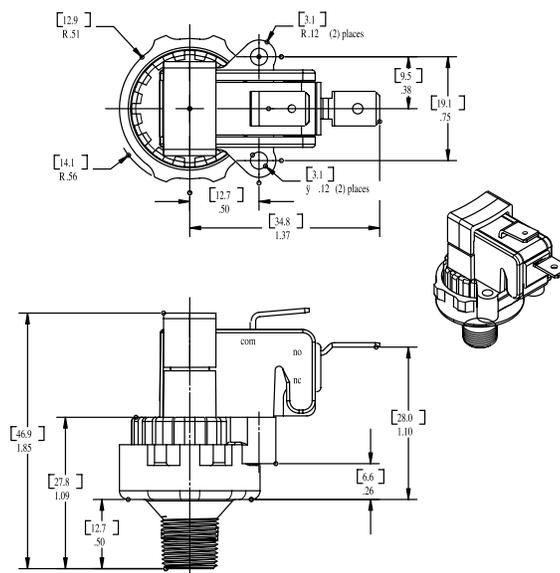
RATINGS AND SPECIFICATIONS

- Maximum operating pressure: 30 PSI positive pressure and -6 PSI negative pressure
- Electrical ratings to 21 A resistive @ 125 VAC, 16 A @ 250 VAC
- Field tested critical components specifically selected to operate reliably in temperature extremes of 70° F to 160° F (21° C to 71° C)
- Pressure pod and diaphragm materials are rated to 266° F
- 100,000 + cycle life under full mechanical, electrical and thermal loads

DESIGN FLEXIBILITY

Tecmark's manufacturing philosophy is unique. In an effort to provide you with a product that is most suited to your application, Series TBS fixed set point pressure and vacuum switches incorporate numerous interchangeable components for the ultimate design flexibility. This means a product tailored to your needs without the high price and long lead times associated with custom manufacturing. If you have a need and don't see the features you require, please ask!

TBS3000



VTBS3000

