



TR30240

### Description

The TR30240 is a low cost, reed switch type transmitter designed to provide fuel level monitoring to panel mounted fuel gauges in marine and stationary tank applications. Vertically mounted and typically manufactured with a stainless stem and Buna-N float, the TR30240 is also available in other materials, inside and outside mounting connections and probe lengths up to 10 feet.

### Principle of Operation

As the float moves, a magnet inside the float actuates a series of sequenced reed switches and resistors providing a standard 30 to 240 ohm output. The TR30240 may also be equipped with independent high/low or customer specified switch positions.

### Key Features

- 2-Wire variable resistance probe
- 30-240  $\Omega$  output (standard)
- Custom resistance ranges
- Lengths up to 10 feet

### Applications

- Marine Fuel Tanks
- Water Storage Tanks
- Generator Drive Engine Fuel Tanks
- Farm Equipment Fuel Tanks

### Environmental

- Process Temperature: Buna Float: +180° F (+82° C)  
316L Stainless Float: +300° F (+148° C)
- Process Pressure: Buna Float: 150 psig (10 bar)  
316L Stainless Float: 300 psig (20 bar)

### Electrical

- Signal Output: 30-240  $\Omega$
- Linearity:  $\pm 0.5\%$  of actual
- Accuracy: 0.50 inch repeating increments

#### OPTIONAL MOUNTINGS

