

Description

The transmitter is an innovative level sensor that replaces floats, conductance and pressure sensors that fail due to dirty sticking and scaling media in small tanks 49.2" (1.25 m) or less. This general purpose sensor combines non-contact switch, controller and transmitter capabilities into one package while combining 4 relays, 4-20mA output and pump/valve control into one small sensor. The device is maintenance free and reduces tank system hardware through simplicity and consolidation. The transmitter is well suited for corrosive and dirty applications with its non-metallic housing and transducer.

The rugged PVDF enclosure is well suited for a wide range of corrosive, waste or slurry type media, and can be broadly selected for atmospheric day tank, process vessel or dispenser, pump lift station and waste sump applications. Level indication can be monitored via a local display or controlled through a PLC.



FEATURES

- Provides switch, controller and transmitter capabilities
- Replacement of multi-point float, conductivity and pressure level switches
- WebCal™, an innovative PC user interface that provides fast and accurate configuration
- Compact sensor with 2" dead band and beam width optimized for small tank applications 49.2" (1.25m) or less

Specifications

- Part Number:** 150999
Range: 49.2" (1.25 m)
Accuracy: 0.125" (3mm)
Resolution: 0.019" (0.5 mm)
Beam Width: 2" (5 cm)
Dead Band: 2" (5 cm)
Supply Voltage: 24VDC (loop)
Loop Resistance: 400 Ohm Max.
Consumption: 35 mA Maximum
Signal Output: 4-20 mA (When loop powered)
Contact Type: (4) SPST, 1A relays
Loop Fail Safety: 4 mA, 20 mA, 21 mA, 22 mA or hold last
Relay Fail Safety:
 Power Loss: Hold Last
 Power On: Open, close or hold last
Hysteresis: Selectable
Configuration: WebCal® Windows® software interface
Temperature Compensation: Automatic over range
Operating Temperature: 20 to 160°F (-7 to 71°C)

- Operating Pressure:** Atmospheric
Cable Jacket Material: Polyurethane
Enclosure: NEMA 4X, encapsulated, corrosive resistant & submersible
Enclosure Material: PC/ABS FR
Strain Relief: Santoprene
Transducer Material: PVDF
Cable Length: 48" (1.2 m)
Process Mount: 2" NPT or 2" G
Warranty: 90 days

DIMENSIONS INCHES (MM)

