



EchoPod Ultrasonic Level Switch, Controller and Transmitter

Unique Features

- Only non-contacting, ultrasonic device to monitor small tanks and sumps with a 49.2" (1.25m) range.
- Provides switch, controller and transmitter capabilities in economical, compact unit
- First device to continuously monitor via a 4-20 mA analog output AND 4 independently programmable alarm and control setpoints

Range:	49.2" (1.25m)
Accuracy:	0.125" (3 mm)
Resolution:	0.019" (0.5 mm)
Dead band:	2" (5 cm)
Supply voltage:	24 VDC (loop)
Loop resistance:	400Ω max
Consumption:	35 mA maximum
Signal output:	4-20mA, two-wire (when loop powered)
Contact type:	(4) SPST relays 1A
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® PC Windows® software interface
Temp. comp.:	Automatic over range
Temperature:	F: -4° to 140° C: -20° to 60°
Pressure:	Atmospheric
Enclosure:	NEMA 4X encapsulated, corrosion resistant & submersible
Encl. material:	PC/ABS FR
Strain relief mat.:	Santoprene
Trans. material:	PVDF
Cable length:	4' (1.2m)
Cable jacket mat.:	PVC
Process mount:	1" NPT (1" G)
Mount. gasket:	Viton®
Classification:	General purpose
Approvals:	CE

Additional Advantages

- 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.
- Replaces floats, capacitance and resistive rods that foul, corrode and coat
- Priced at the same or less than floats, capacitance and resistive rods
- Echopod includes an internal duplex pump controller
- WebCal® software allows for easy Windows based set-up (Flo-Corp will provide the unit programmed to our specs)
- Software includes wiring schematic/diagram of customized system wiring and connections; will print and save to file instrument tag and setup information

Description

EchoPod is a general purpose non-contact ultrasonic level switch, controller and transmitter for small tanks 49.2" (1.25 m) or less. Maintenance free, the EchoPod reduces tank system hardware through simplicity and consolidation. It is well suited for corrosive and dirty applications with its non-metallic housing and transducer.

