

BUILT TO LAST FOR OVER 15,000,000 OPERATIONS



Combining new technology with a familiar device, the Opti-Float® level detector is a revolutionary innovation in discrete level detectors. The new float is made of safe, recyclable materials, is mercury and lead free, and is engineered for many years of service.

The design of the Opti-Float® level detector is amazingly simple. Using plastic fiber optic cable, a beam of light is transmitted from an LED in a remote transceiver down to the float, where the beam makes and breaks depending on the tilt of the float. When the transceiver detects the presence or absence of light, a relay is activated in the transceiver, which can then operate other devices. The transceivers are all dual, din rail mounted units, that can connect to two floats. Additional transceivers can be used for additional floats.

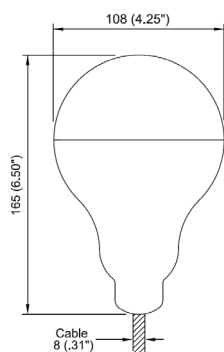
Call us and see for yourself how Tesco Controls can make a difference on your next project.

Features

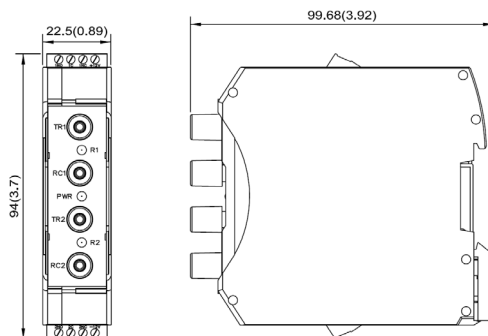
- » Lead Free
- » Mercury Free
- » Fiber-Optic Design
- » Non-Electrical
- » 15,000,000+ Operations
- » Intrinsically Safe
- » RoHS compliant (Restriction of Hazardous Substances Directive)
- » 30, 60, and 100-ft cables
- » Tested to 300 feet of water pressure without fail or deformation of float or cable

Applications

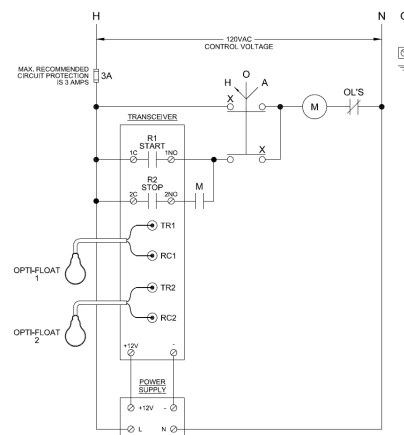
- » Wet Well Level Detection
- » Sump and Vault Flood Detection



Float



Transceiver



Typical START-STOP Schematic

Opti-Float® Level Detector

FLOAT SPECIFICATIONS

Housing Material	Polypropylene
Cable	Polyurethane over dual plastic fibers (.31" O.D.)
Standard Cable Lengths	30', 60', and 100' (contact factory for other lengths)
Operating temp	-15 to + 155F (-25 to +70C)
Operating Wavelength	400 - 1200 nm

TR2A DUAL TRANSCEIVER SPECIFICATIONS

Operating voltage	12 VDC +/-10%
Power consumption	1.2 VA maximum
Output	Relay SPDT 3 amp @ 240VAC, each channel
Operating temp	-15 to +130F (-25 to +55C)
Storage temperature	-15 to + 155F (-25 to +70C)
Release Date	January 2019
UL Listed and RoHS Compliant	

Custom options are available. Contact Tesco Controls, Inc. for more information:

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