

## Built to Last for over 1,000,000 Operations



Combining new technology with a familiar device, the **Opti-Float<sup>®</sup>** level detector is a revolutionary innovation in discrete level detectors. It's made of safe, recyclable materials. It's mercury and lead free and is built to last for years of service.

The design of the Opti-Float<sup>®</sup> level detector is amazingly simple. Using fiber optic cable, it transmits a beam of light 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, it activates a relay in the transceiver, which can then operate other devices. The transceivers are all dual din rail mounted units, which can connect to two floats. Additional transceivers can be used for additional floats.

The fiber optic cable, created specifically for the Opti-Float<sup>®</sup> level detector, requires no special tools for connection. And while it looks similar to other float cables, there is one huge exception: No electrical wires and inherently safe!

So now, for the first time, floats can be used directly without special equipment in hazardous locations.

**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
- » 12,000,000+ Operations
- » Intrinsically Safe

### Applications

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

#### Tesco Controls, Inc.

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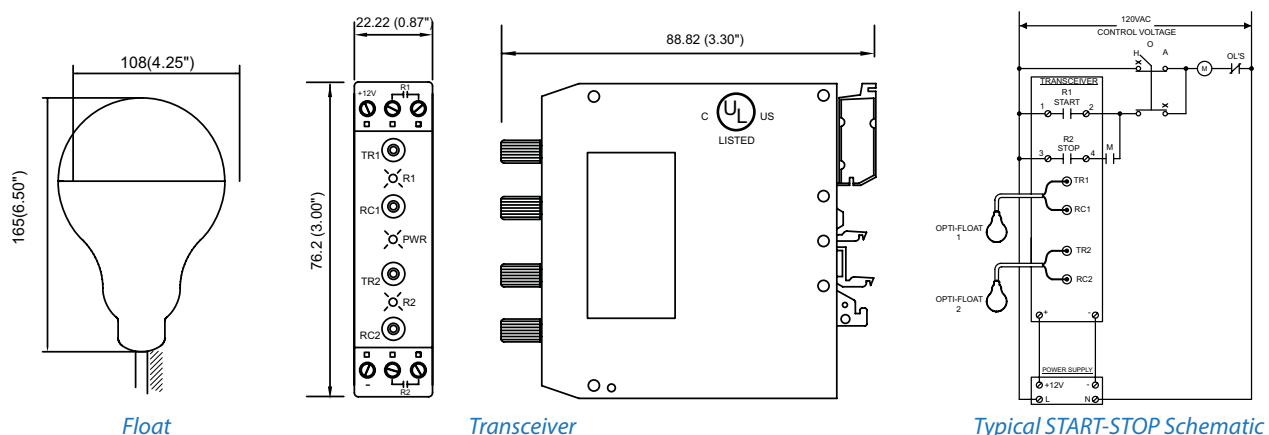
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## Opti-Float® Level Detector

### FLOAT SPECIFICATIONS

Housing Material	Polypropylene
Cable	PVC over dual plastic fibers
Standard Cable Lengths	30' and 60' (contact factory for other lengths)
Ambient liquid operating temp	+32 to +130F (0 to +55C)
Ambient air standby operating temp	-15 to + 155F (-25 to +70C)
Storage temperature	-15 to + 155F (-25 to +70C)
Operating Wavelength	400 - 1200 nm

### DUAL TRANSCEIVER SPECIFICATIONS

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

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

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