

LR06 Datasheet

Description

The LR06 is a robust submersible float switch specifically engineered for oily environments and prolonged exposure to diesel oil. Offering superior chemical resistance compared to the LR03, it provides reliable long-term operation in challenging conditions.

To withstand the aggressive effects of diesel oils, the LR06 is constructed with a polyurethane (PUR) cable and a polypropylene float chamber. Unlike PVC or CPE, which degrade when exposed to hydrocarbons, PUR and polypropylene maintain their integrity, ensuring durability and dependable performance.

For easy identification in the field, the LR06 features a distinctive orange band and matching orange cable, preventing confusion with other float switches of similar size and design. Simple to install and designed for trouble-free service, the LR06 is ideally suited to fuel storage, oily water separators, and other diesel-contaminated liquid applications.

Specification

	Rating
Contact Rating:	240Vac 15A non-inductive 240Vac 10A inductive [1.3 Horsepower] 125Vdc 0.6A 240Vdc 0.3A
frequency	50/60Hz
Cable	05RN-F 3x0.75mm ²
Temperature	
Min	0°C [Frozen]
Max	70°C
Max Submerged Depth	20m
IP Rating	IP68
Compressive strength	482 kN/m ²
Operational Gravities	Specific
Min	0.9
Max	1.3
Conformance	CE LVD RoHS EN 60730-1 EN IEC 60730-2-15

Order Code

LR06-L□□M

CABLE LENGTH / m

05
10
20

i.e. LR06-L10M-CPE

Stocked items have cable lengths of 5, 10 & 20m

NOTE: For cable lengths exceeding 20m, or for custom lengths, please contact Triton Controls Ltd.

Contact

ADDRESS:	Triton Controls Ltd Randolph Industrial Estate Evenwood Bishop Auckland DL14 9SJ UK	TEL:	+44 (0) 1388 833 000
		EMAIL:	info@tritoncontrols.co.uk
		WEBSITE:	www.tritoncontrols.co.uk



Applications

- Diesel fuel storage tanks
- Generator day tanks and bulk tanks
- Oily water separators
- Industrial process tanks containing hydrocarbons
- Wastewater treatment systems handling oily effluent
- Bilge and marine tanks with diesel contamination
- High/low level alarms in diesel or oil-contaminated liquids

Accessories

The LR03-W is an optional counterweight designed for use with the LR06 float switch range.



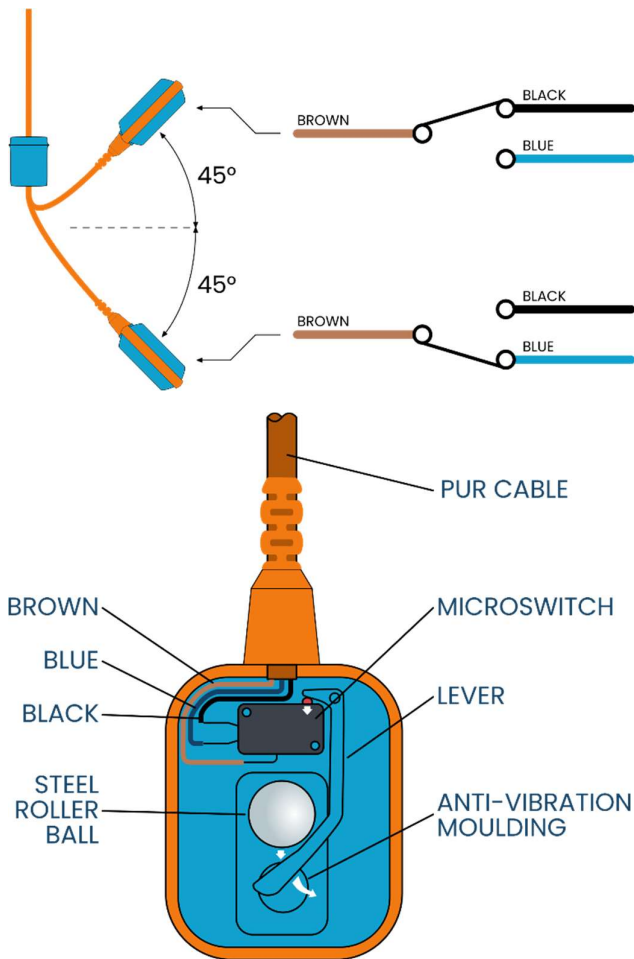
NOTE: The LR03-W is manufactured with a polypropylene body, making it suitable for use with oils.

Operation

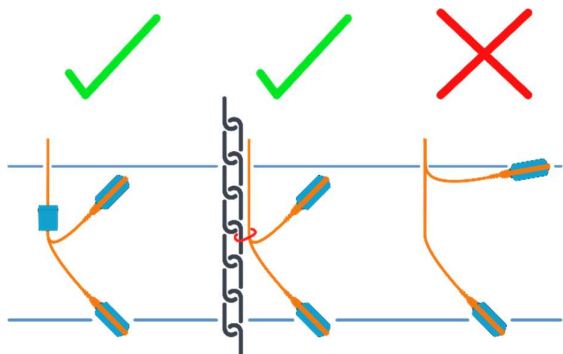
The float switch operates by means of an internal ball that actuates a microswitch. Switching occurs based on the angle of the float:

- At 45° or greater above horizontal, the switch closes to the black wire [with brown as common].
- At 45° or lower below horizontal, the switch closes to the blue wire [with brown as common].

Integrated hysteresis prevents false or nuisance switching caused by liquid turbulence.



NOTE: The float switch must be securely tethered or fitted with a counterweight to ensure correct operation



Dimensions

