

LR03 Datasheet

Description

The LR03 'Paddle' Float Switch is part of Triton Controls' cost-effective range of liquid level sensors, designed for reliable performance in grey water and compact system applications. Easy to install and engineered for long-lasting, maintenance-free operation, it provides a dependable solution for level control in a wide variety of environments.

Constructed with a durable polypropylene float chamber and equipped with a CPE synthetic rubber cable, the LR03 offers excellent resistance to chemicals, ensuring robustness and longevity even in demanding conditions.



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

Applications

- Sewerage tanks
- Sump or tank wells
- Rainwater harvesting systems
- Irrigation & agricultural tanks
- Pumping stations
- Wastewater treatment plants
- Chemical effluent tanks [where PP & CPE materials are suitable]
- High/low level alarms

Accessories

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



Order Code

LR03-L□□M-CPE

CABLE LENGTH / m

05
10
20

i.e. LR03-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.

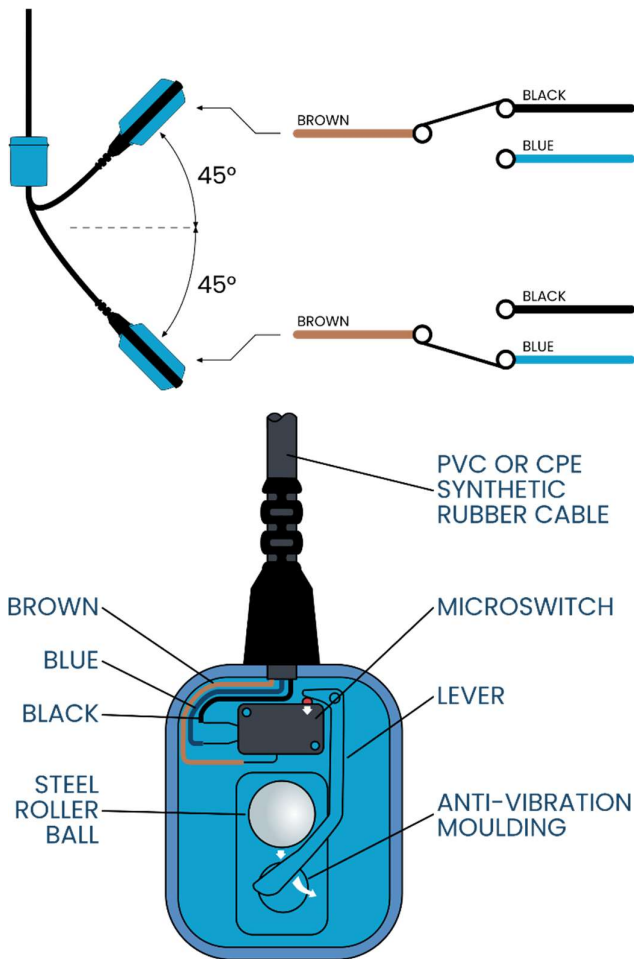


Operation

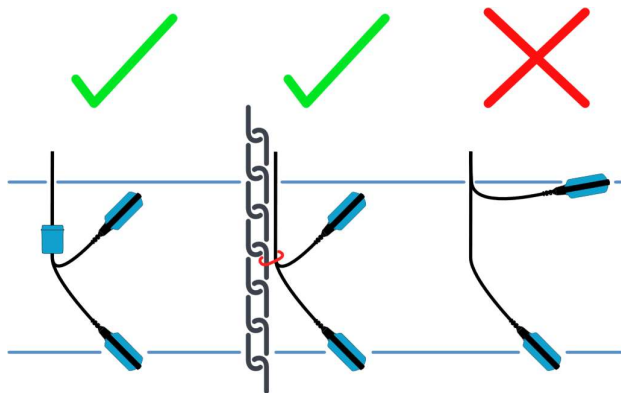
The float switch operates by means of an internal ball that actuates a microswitch. Switching occurs based on the angle of the float:

- 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].

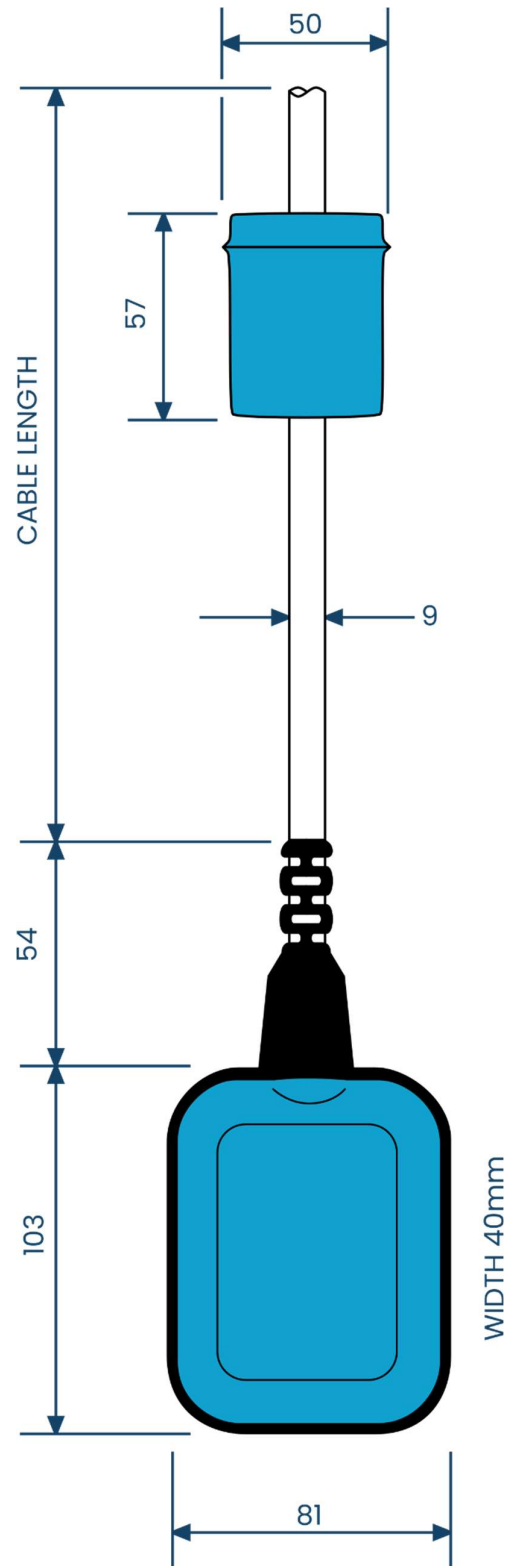
Integrated hysteresis prevents false or nuisance switching caused by liquid turbulence.



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



Dimensions



Dimensions in mm