

LR03 Datasheet

Description

The LR03 'Paddle' Float Switch is part of Triton Controls' costeffective 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 Max	0°C [Frozen] 70°C
Max Submerged Depth	20m
IP Rating	IP68
Compressive strength	482 kN/m ²
Operational Specific Gravities Min Max	0.9 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-LDDM-CPE

i.e. LR03-L10M-CPE

CABLE LENGTH / m

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

05 10 20

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

Contact

ADDRESS: Triton Controls Ltd Randolph Industrial Estate

Evenwood Bishop Auckland DL14 9SJ UK

TEL:

EMAIL: info@tritoncontrols.co.uk

WEBSITE:

www.tritoncontrols.co.uk

+44 (0) 1388 833 000



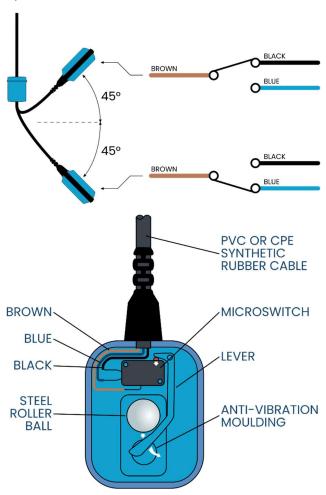
LR03-091302 Rev 2.0

Operation

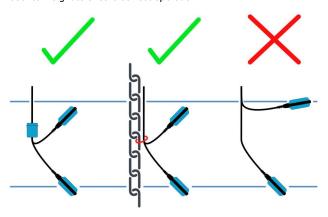
The float switch operates by means of an internal ball that actuates a microswitch. Switching occurs based on the angle of the float:

- 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

