FEATURES

- **Ultrasonic sensors**

- **Self-contained liquid level alarm**

- **Manufactured in PPS for corrosion resistance in most liquids**

- **Threaded process connections for tank mounting**

- **No moving parts**

- **European Directive compliance**

RS PRO Ultrasonic Liquid Level Switch

RS Stock No.: 2565735

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Ultrasonic Liquid Level Switch

Product Description

The JC2M Ultrasonic Level Switch are manufactured in Polyphenylene Sulphide (PPS) for corrosion resistance in most liquids. This range of sensors can be mounted in any position in a tank using either a 1-in. thread available in BSPT and NPT thread forms. A thread is provided on each side of a hexagonal boss to allow either external or internal / pole mounting of the sensor.

• Low level alarms in header tanks

• Pump control duty in feeder tanks

• High and low alarms in storage tanks

• Level and pump control in storage tanks

General Specifications

Series	JC2M
Detection Range	
Transducer Frequency	2M Hz
Sensor Configuration	
Output Type	SPCO relay
Response Time	50 ms dry-to-wet; 0.5 s wet-to-dry
Beam Angle	
Deviation of the characteristic curve	
Repeat accuracy	±0.1% of full-scale value
Terminal Type	
Communication Interface	
Indicator	
Wire Technique	5 core cable
Electrical Connection	5 core cable
Cable Length	2m
Minimum Operating Temperature	-20 ℃
Maximum Operating Temperature	70 ℃
Shock Resistance	
Vibration Resistance	

Electrical Specifications

Operating Voltage Range	10 to 30V DC
Current Consumption	≤15mA（No-load）
Voltage Drop	
Minimum Load	
Switching Frequency	
Switching Current	

Ultrasonic Liquid Level Switch

Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
Overload Protection	Yes

Mechanical Specifications

Body Style	Cylindrical
Thread Size	NPT 1 Inch
Housing Material	PPS
Front Material	PPS
Dimensions	¢32mm x 110mm
Width / Diameter	¢32mm
Length	110mm
Depth	
Weight	80g

Protection Category

IP Rating	IP68

Approvals

Compliance/Certifications	CE / RoHS EN 60947-5-2:2020
Declarations	MFR Declaration of Conformity

BROWN: +ve
NO
Black: Connected WET
NC
GREY : Connected DRY
White: Common
Blue: -ve
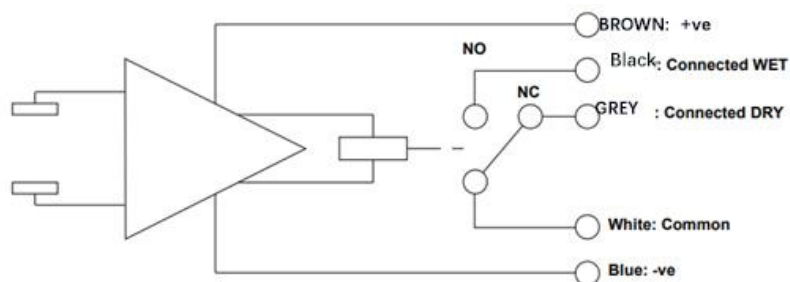
Dimensions are in mm

Brown: +U

Black：   Connected WET

Grey：   Connected DRY

White：   Common

Blue：   -U

Cable 2m
110
Nominal Sensing level
6
23
5.7
37.5
NPT 1"
Mounting Thread