

MJK Float Switch 7030

2.71

MERCURY FREE WITH HIGHLY FLEXIBLE BREAKFREE CABLE

General - flexible breakfree cable

The exceptional reliability of the MJK Float Switch 7030 makes it very suitable for many highly automated systems to provide additional protection against control system failures, preventing pumps from running dry, etc.

MJK uses only up-to-date, environmentally friendly materials in the Float Switch 7030. The extra durability of the potted switching components - strong multi-fiber flexible cable and rugged polypropylene enclosure - allows the Float Switch 7030 to deliver reliable results where other float switches fail.

Features

- Environmental friendly - no mercury
- Unmatched rugged construction for durability
- Reliable electromechanical contact system - guaranteed for up to 20 million operations
- Unique counterweight system
- UL approved 250 VAC/16 A switch
- 12, 20, 30,5 or 46m oil resistant PVC cable and polypropylene cable bracket
- SPDT relay allowing normally open or normally closed configurations - selected based on how it is wired.

Applications

- Waste water pumping stations
- Sewage treatment plants
- Drinking water reservoirs.

Functions

A hermetically sealed microswitch is activated by a moving counterweight when the float changes its position in the fluid. The changeover hysteresis can be adjusted by means of a counterweight placed on the cable. The counterweight also ensures that Float Switch 7030 is always correctly positioned and makes the bend of the cable less sharp.



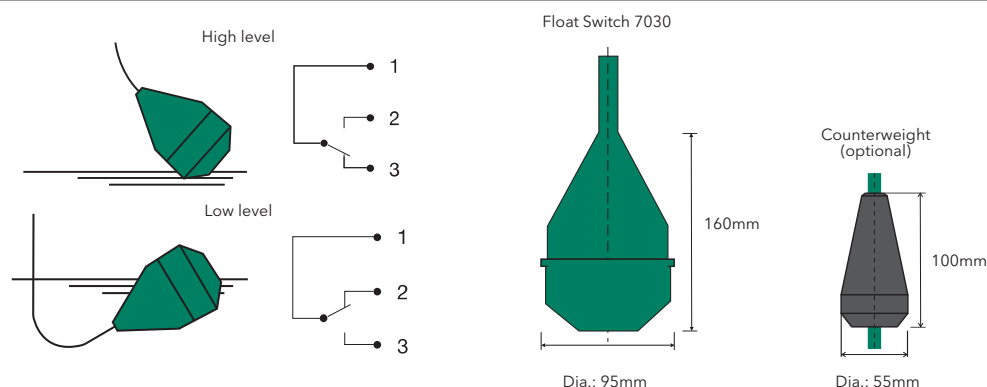
DATASHEET

EN 2.71 Float Switch 7030 datasheet 2005

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MJK Float Switch 7030 - with flexible cable

Connections and Dimensions



Specifications

Float Switch 7030 - with flexible cable	
Output signal	Mechanical contact system (microswitch), change-over switch (SPDT)
Max. load	AC: 250V / 16A. Voltage Max. 250V AC DC: 220V / 0,5A. 24V / 16A
Temperature	- 20 ... + 60 °C / - 5 to + 150 °F
Materials	Body: Polypropylene Bending relief: Oil resistant PVC Cable: Oil resistant PVC
Cable	3 x 1 mm ² (AWG 17), dia. 8 mm (1/3in)
Cable lengths	12, 20, 30,5, 46m / 39, 65, 100, 150ft.
Enclosure	IP 68 / NEMA 6P
Approvals	CE approvals: EN61000-6-1, EN61000-6-3, EN61000-6-4 2007, EN61000-6-2 2005. Switch UL U83 161 3 (16A 125VAC).

Order Numbers

Float Switch 7030 - with flexible cable	
202810	Float switch 7030 with 12m/39ft. cable
202811	Float switch 7030 with 20m/65ft cable
202811-100	Float Switch 7030 with 30,5m/100ft cable
202811-150	Float Switch 7030 with 46m/150ft cable
Float Switch 7030 - with flexible cable - incl. counter weight	
202814	Float switch 7030 incl. 560917 With 12m/39ft cabel
202814-65	Float switch 7030 incl. 560917 With 20m/65ft cabel
202814-100	Float switch 7030 incl. 560917 With 30,5m/100ft cabel
Float Switch 7030 - with flexible cable - acessories	
560914	Plastic Mounting Bracket for Expert™ Transmitter, Cable Ø6-10mm
560917	Counter weight f. level switch 400 gr.

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MERCURY FREE WITH STANDARD CABLE

General - standard cable

The MJK Float Switch 7030 with standard cable is the ideal choice for most level control applications, such as wastewater pumping stations and ground water or drainage pumping. When the liquid level reaches the MJK Float Switch 7030, the float tilts, activating the internal micro switch, which starts or stops a pump or triggers an alarm device.

MJK Float Switch 7030 hangs immersed in the liquid. This prevents cables from tangling when several regulators are used. MJK Float Switch 7030 level regulators last several times longer than most standard level regulators. This ensures reliable operation and a low degree of maintenance - thereby keeping service costs down to a minimum over a lifecycle.

Environmentally friendly

The MJK Float Switch 7030 contains no harmful or toxic materials such as lead or mercury and does not require use of any adhesives.

Features

- Environmental friendly - no mercury
- Reliable electromechanical contact system
- 13, 20, and 30m oil resistant PVC cable and polypropylene cable bracket
- SPDT relay allowing normally open or normally closed configurations - selected based on how it is wired.

Applications

- Waste water pumping stations
- Sewage treatment plants
- Drinking water reservoirs.

Functions

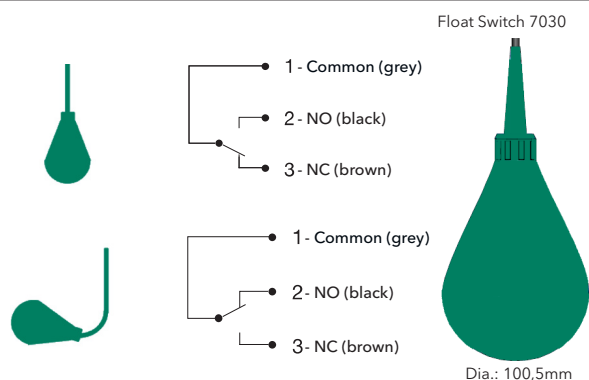
In a two-pump station, generally, four level regulators are used. One is positioned at the stop level, one at each pump's start level, and the fourth regulator is used to trigger a high-level alarm.



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MJK Float Switch 7030 - with standard cable

Connections and Dimensions



Specifications

Float Switch 7030 - with standard cable	
Output system	Mechanical contact system (microswitch), change-over switch (SPDT)
Max. load	AC: 250 V/10 A resistive load AC: 250 V/10 A resistinductive load at $\cos\phi = 0.5$ DC: 24 V/ 10mA min., 6 A max.
Temperature	0... + 60 °C / - 32 to + 140 °F
Materials	Body: Polypropylene Bending relief: EPDM rubber Cable: Special compound PVC & NBR/PVC
Cable	3 x 0,75 mm ² (AWG 21), dia. 6 mm (0.236 in)
Cabel length	13, 20 og 30m/43, 65, 98ft
Enclosure	IP 68 / NEMA 6P
Approvals	CE, CSA, SEMKO, NEMKO, DEMKO

Order Numbers

Float Switch 7030 - with standard cable	
202800	Float switch 7030 with 13m/42ft. cable
202802	Float switch 7030 with 20m/65ft. cable
202803	Float switch 7030 with 30m/100ft. cable