Control Duty Extra Large

Narrow Angle Mechanical Control Switch

Mechanically-activated, narrow-angle float switch designed for level control of municipal wastewater pumping stations.

Mechanically-activated, narrow-angle, internally weighted municipal float switch designed for level control in municipal sewage pumping stations. The internal switching mechanism contains unique gold cross-point contacts, providing precision and reliable control signals up to 1 amp.

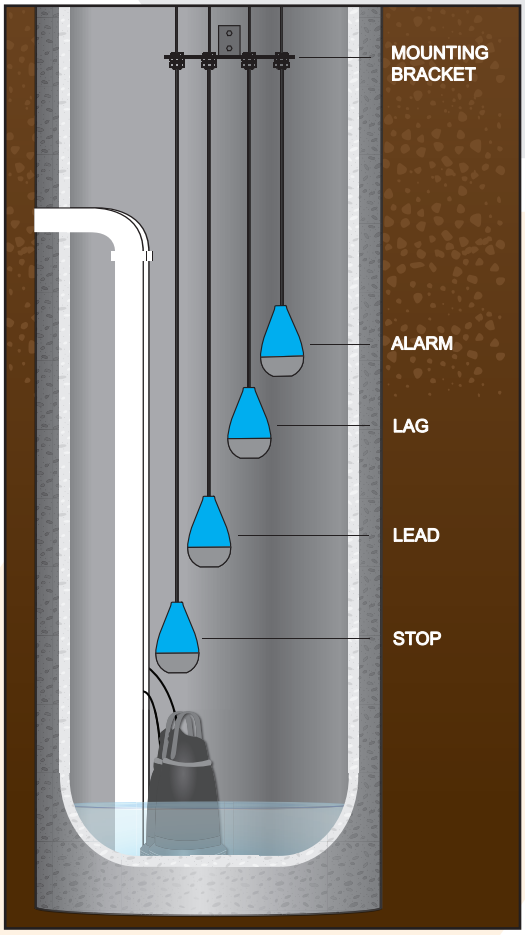
The **Control Duty Extra Large** control switch can be wired to work in either normally open or normally closed applications. It is not sensitive to rotation.

When wired as Normally Open (high level)
The control switch turns on (closes) when the switch tips slightly **above** horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

When wired as Normally Closed (low level)
The control switch turns on (closes) when the switch tips slightly **below** horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.

FEATURES

- Internally weighted mechanical control switch designed for applications up to 1 Amp
- Large twin wall tear drop shape design offers increased buoyancy
- Two-color float housing for easy identification of float position
- Gold cross-point contacts provide precision and reliable control signals up to 1 Amp
- 3 wire cable - SPDT (Single Pole, Double Throw) can be wired as normally open or normally closed. Wire color: Common (white); N.O. (black); N.C. (red)
- Common applications include lift stations, non-potable water, PLC (programmable logic controllers), intrinsically safe, and applications with high grease content



CSI Controls®
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CONTROL DUTY EXTRA LARGE CONTROL SWITCH

Normally Open or Normally Closed		Shipping Weight
Part#	Description	
1046504	MGM, 25 ft. bag	3.53 lbs.
1046505	MGM, 50 ft. bag	5.06 lbs.
1046506	MGM, 75 ft. bag	6.65 lbs
1046507	MGM, 100 ft. bag	8.21 lbs.

Options		Shipping Weight
Part#	Description	
1027647	Stainless Steel 4 Float Bracket	2.22 lbs.

Can be wired to work in either pump down (normally open) or pump up (normally closed) applications.

NOTE: Descriptions are by cable length measured in feet.

SEE PRICE BOOK FOR LIST PRICE.

SPECIFICATIONS

CABLE: flexible 18 gauge, 3 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 4.03 inch diameter x 6.62 inch long (10.2 x 16.8 cm) high impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140° F (60° C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 PSI (90 kPa)

ELECTRICAL:

Maximum Electrical Load: 1 Amp, 125/250 VAC
Minimum Electrical Load: 1 mA, 4 VDC

OPTIONS

PACKAGING
Bagged - standard

OTHER INFORMATION

NORMALLY OPEN (high level) OPERATION
The control switch closes (turns on) when the float tips slightly **above** horizontal signaling a high level, and opens (turns off) when the float drops slightly **below** horizontal in water or sewage applications.

NORMALLY CLOSED (low level) OPERATION
The control switch closes (turns on) when the float tips slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal in water or sewage applications.

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California Prop 65 requires the following: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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