

Control Duty Narrow-Angle Mercury

Mercury-Activated, Narrow-Angle Float Switch

Mercury-activated, narrow-angle float switch designed to activate pump control panels and alarms.

This narrow-angle sensing device is used to accurately monitor liquid levels in sewage and non-potable water applications. The **Control Duty Narrow-Angle Mercury** control switch is not sensitive to rotation and is suitable for use with intrinsically safe circuits. Contact CSI Controls regarding specific intrinsically safe applications.

Normally Open Model (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.

Normally Closed Model (low level)

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

FEATURES

- Suitable for use with intrinsically safe circuits
- Not sensitive to rotation
- Control differential of .5 inches (1 cm) above or below horizontal

OPTIONS

This switch is available:

- for normally open (high level) applications or normally closed (low level) applications
- in standard cable lengths of 15, 20, or 30 feet and 5, 6, or 10 meters (longer lengths available)
- with three mounting options that allow for flexibility in installation:

Mounting Clamp: for applications where the switch can be attached to a discharge pipe or similar mounting device

Internally Weighted: for applications where the switch can be suspended from above

Externally Weighted: for applications where the switch can be suspended from above



CSI Controls®

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CONTROL DUTY NARROW-ANGLE MERCURY CONTROL SWITCH

Normally Open		Normally Closed		Shipping Weight
Part #	Description	Part #	Description	
1032520	15CSVPCNO	1032526	15CSVPCNC	1.64 lbs.
1032521	20CSVPCNO	1032527	20CSVPCNC	1.99 lbs.
1032523	30CSVPCNO	1032528	30CSVPCNC	2.13 lbs.

CS = Control Switch V = Mercury PC = Pipe Clamp NO = Normally Open NC = Normally Closed

NOTE: Descriptions are by cable length measured in feet.

SEE PRICE BOOK FOR LIST PRICE.

SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE) jacket

FLOAT: 3.38 inch diameter x 4.55 inch long (8.58 cm x 11.56 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

MERCURY SWITCH: single pole, single throw, mercury-to-mercury contacts, hermetically sealed in a steel capsule and epoxy sealed in the float housing

ELECTRICAL: 5 amp 115w/230 VAC, 50/60 Hz

NOTE: Suitable for use with intrinsically safe circuits

Contact CSI Controls regarding specific intrinsically safe applications.

OPTIONS

PACKAGING

Bagged - standard

Boxed - optional

Bulk - optional; must be ordered in master carton quantities.

Please contact customer service for details/pricing.

ADDITIONAL CABLE

Longer cable lengths available. Please call for details.

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** normal.

NORMALLY CLOSED (LOW LEVEL) OPERATION

The control switch closes (turns on) when the float drops slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal.



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