

# 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



## 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

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

#### 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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