

# Control Duty Narrow-Angle Mini 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 confined sewage and non-potable water applications. The **Control Duty Narrow Angle Mini Mercury** control switch is not sensitive to rotation.

### **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.

Contact CSI Controls regarding intrinsically safe applications.

## FEATURES

- Designed for use in confined spaces
- 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 two 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

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



# CSI Controls®

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## CONTROL DUTY NARROW-ANGLE MINI MERCURY CONTROL SWITCH

Normally Open		Normally Closed		Shipping Weight
Part #	Description	Part #	Description	
1032530	15CSMVNO	1032534	15CSMVNC	1.57 lbs.
1032531	20CSMVNO	1032535	20CSMVNC	1.90 lbs.
1032532	30CSMVNO	1032536	30CSMVNC	2.68 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:** 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 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 TILT SWITCH:** single pole, single throw, mercury-to-metal contacts, hermetically sealed in a steel capsule and epoxy sealed in the float housing

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

This switch is not recommended for controlling:

- electric loads less than 30 milliamps, 12 VAC
- non-arcing electric loads

**NOTE:** Contact CSI Controls regarding 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

Blue colored cap, the control switch turns on (closes) when the switch tips above horizontal signaling a high level, and turns off (opens) when the switch drops below horizontal.

#### NORMALLY CLOSED

##### (LOW LEVEL) OPERATION

Red colored cap, the control switch turns on (closes) when the switch drops below horizontal signaling a low level, and turns off (opens) when the switch tips above horizontal.



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