

# Control Duty Narrow-Angle Mechanical

## Mechanically-Activated, Narrow-Angle Float Switch

This narrow-angle sensing device is used to accurately monitor liquid levels in:

- water
- sewage applications

The **Control Duty Narrow-Angle Mechanical** 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 tips slightly **below** horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.

## FEATURES

- Mechanically-activated, snap action contacts
- High impact, corrosion resistant, polypropylene float housing
- Not sensitive to rotation
- Control differential of 1.5 inches (4 cm) above or below horizontal
- Yellow colored cap for easy identification of normally open control switch
- White colored cap for easy identification of normally closed control switch

## OPTIONS

**This switch is available:**

- CE certified unit available upon request
- 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



## CONTROL DUTY NARROW-ANGLE MECHANICAL CONTROL SWITCH

Normally Open		Normally Closed		Shipping Weight
Part #	Description	Part #	Description	
1031484	15CSPCNO	1031485	15CSPCNC	1.37 lbs.
1031486	15CSWENO	1031487	15CSWENC	2.45 lbs.
1031488	20CSPCNO	1031489	20CSPCNC	1.69 lbs.
1031490	20CSWENO	1031491	20CSWENC	2.70 lbs.
1031492	30CSPCNO	1031493	30CSPCNC	2.34 lbs.
1031494	30CSWENO	1031495	30CSWENC	3.43 lbs.

CS = Control Switch PC = Pipe Clamp WE = Weighted Externally NO = Normally Open NC = Normally Closed

NOTE: Descriptions are grouped by cable length measured in feet (15, 20, 30).

SEE PRICE BOOK FOR LIST PRICE.

### SPECIFICATIONS

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

**FLOAT:** 2.74 inch diameter x 4.83 inch long (7 x 12.3 cm), high impact, corrosion resistant polypropylene for use in sewage and water up to 140° F (60° C)

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

**ELECTRICAL:** 5 amp, 125/250 VAC, 50/60 Hz

This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

### 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** 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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