

## MODEL DLC DUAL MICROSWITCH DIAPHRAGM LEVEL CONTROL

The **MODEL DLC** Diaphragm Level Control is pressure-activated and is Flush-Mounted. The **DLC** is also ideal for use as a plugged chute detector. The **Model DLC** has 2 dry (unpowered) microswitches that activate when material within the bin or chute presses upon the diaphragm face. The unit should be mounted on the vertical side wall of the bin, hopper or chute. The unit may also be mounted on the sloped portion of the chute (as long as material flows freely and does not “bridge” The **Model DLC** is also used as a high level limit in a screw conveyor, transfer point or auger box.

### WHY IS IT NECESSARY?

The **Model DLC** can be used as a high-level switch, a low-level switch, or a plugged chute detector. Additionally, the **Model DLC** may also operate as a material presence control on a conveyor belt, and a high level indicator in a crusher box. The **Model DLC** is commonly used when intrusion into the bin is not acceptable, not possible or not allowed. The **Model DLC** does not intrude on the material flow stream.

### DLC REPLACEMENT PARTS

MODEL	DESCRIPTION	SHIP WT.
20250005	Replacement neoprene rubber diaphragm	1 lb.
20250004	Replacement 302 stainless steel diaphragm	2 lbs.

### DLC MODELS AVAILABLE

MODEL	DESCRIPTION	SHIP WT.
DLC-2R	2 SP/DT microswitches, neoprene rubber diaphragm, NEMA Type 4 cast aluminum housing	8 lbs.
DLC-2S	2 SP/DT microswitches, 302 stainless steel diaphragm, NEMA Type 4 cast aluminum housing	8 lbs.

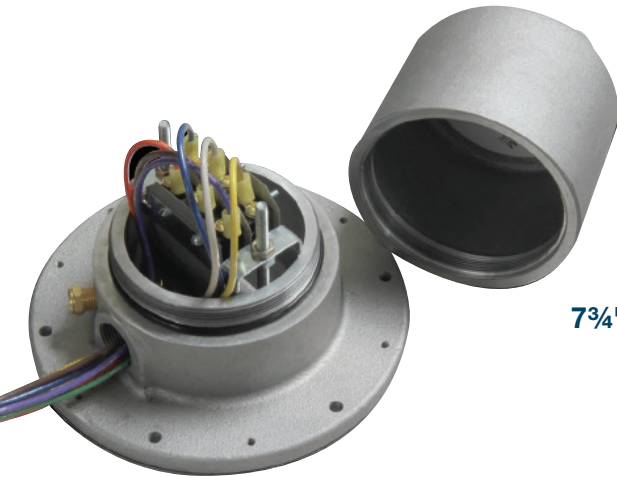
Optional Black epoxy coating available, add “E” to suffix of model number

### TECHNICAL FEATURES

- The diaphragm material is neoprene rubber (50 durometer, 0.031" thick) or grade 302 stainless steel.
- Diaphragm requires a material density of 25 pcf or higher for proper activation. Contact factory for use on lower density materials.
- The temperature range is 32°F to 104°F.
- The control has two dry, unpowered microswitches rated for 15A @ 120 VAC, 240 VAC, and 480 VAC; 1/2 amp @ 125 VDC and 1/4 amp @ 250 VDC.
- Each microswitch has a COMMON, NORMALLY OPEN and NORMALLY CLOSED contact.
- General purpose (weatherproof) units have (1) 3/4" NPT conduit opening.
- The general-purpose controls are designed to meet NEMA Type 4/5 weatherproof and dust-tight environments.
- Bronze air vent allows equal pressurization of both sides of the diaphragm.
- Threaded screw-on cast aluminum cover with spanner wrench bosses and rubber o-ring gasket.
- The mounting flange dimension matches the Roto-Level Control mounting plate bolt and hole pattern so it can be interchangeable with the Model CR unit. Fiber mounting gasket included.
- Optional black epoxy coating available, add “E” to suffix of model number.
- Indication level may vary with material flow, material density and bin design.

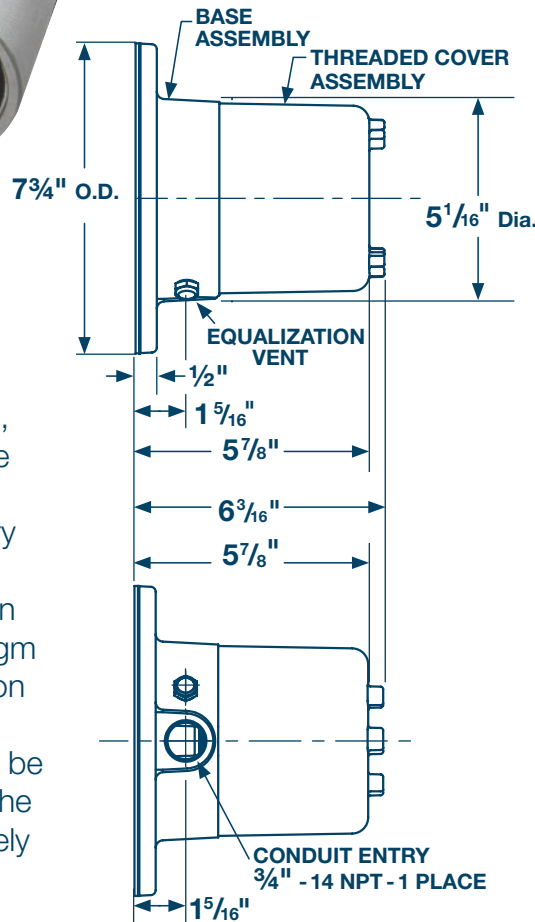


## MODEL DLC DIMENSIONAL INFORMATION

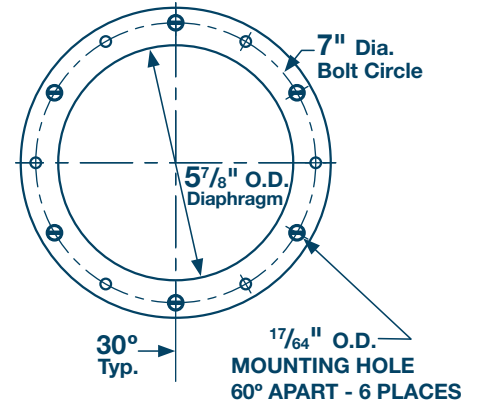


The **MODEL DLC** is a flush-mount, pressure-activated, diaphragm style level control and plugged chute detector. The **Model DLC** has 2 dry (unpowered) microswitches that activate when material within the bin or chute presses upon the diaphragm face. The unit should be mounted on the vertical side wall of the bin, hopper or chute. The unit may also be mounted on the sloped portion of the chute (as long as material flows freely and does not “bridge”).

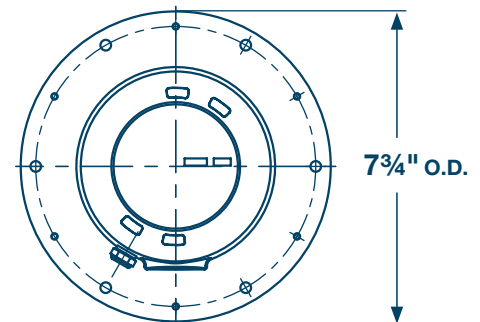
### SIDE VIEW



### DIAPHRAGM END VIEW



### TOP COVER END VIEW



### MODEL CR ROTO-LEVEL CONTROL

The Model CR is designed for use in the aggregate, mining, chemical, plastics and other bulk-handling industries. It functions as a perpetual sentinel, monitoring storage bins and eliminating such nagging problems as material overflow, empty bins, abnormally high or low levels, plugged chutes, jammed conveyors and damaged equipment.



### MODEL CT TILT-LEVEL CONTROL

The new generation of tilt level controls is designed for dry bulk material level indication and control applications. These new cULus listed control units are enclosed in a rugged cast aluminum housing with LED indicator lights to alert the operator of either the presence or absence of material. Equipped with a new surface mount PC board the unit now allows for a maximum of 5,000 feet of cable between the control unit and probe permitting the placement of the control unit in an easily accessible area.

