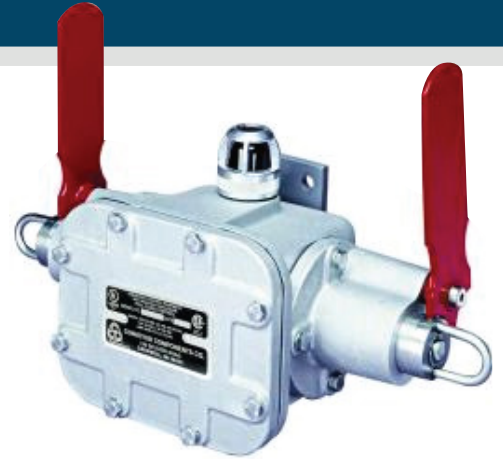


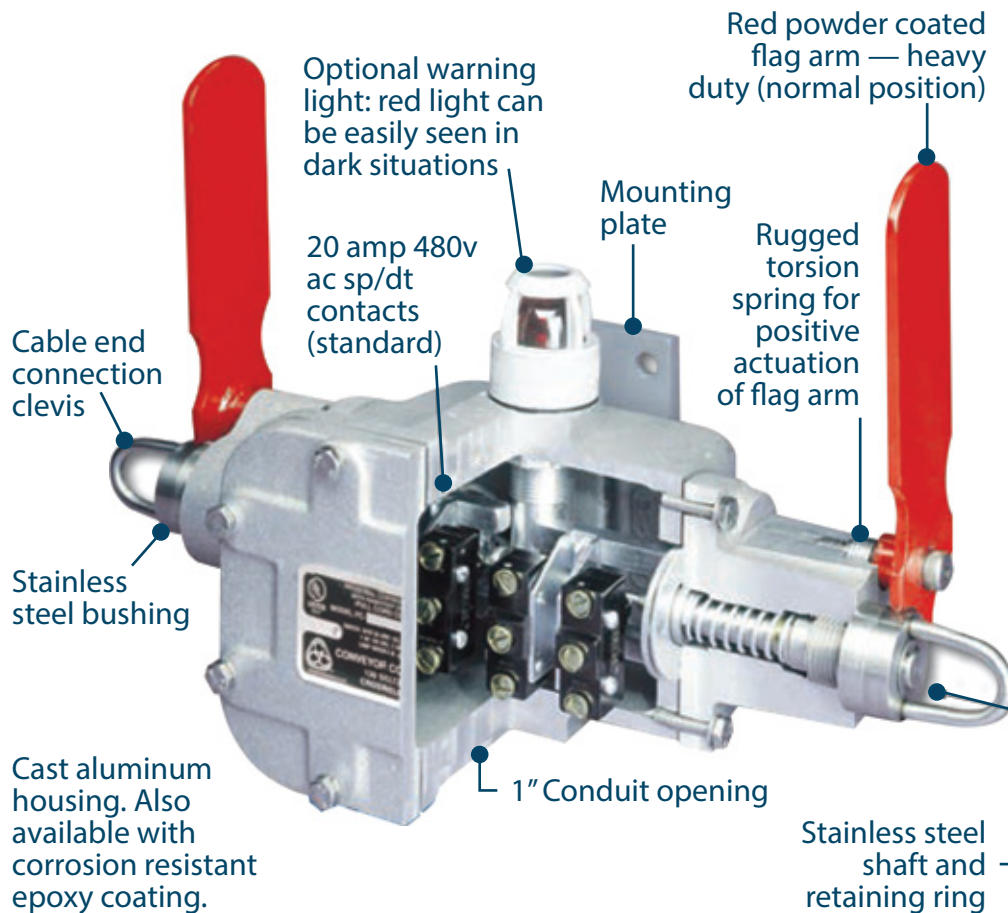
# MODEL PC STOP CONTROL SWITCH

The **Model PC** is a rugged compact safety switch that provides a quick positive shut off of dangerous equipment in emergencies or normal operation. It is actuated by cable pulled by endangered personnel. The output contacts of the Model PC can control up to two separate circuits, one for machinery shutdown and one for alarm.

Safety minded operators of conveyors, production lines, elevator equipment, assembly lines, material handling systems, cranes, etc. consider it a must for employee protection. Most states have safety statutes that require these switches on conveyors and related equipment. American National Standard Institute recommends their use in ANSI standard No. ASME B20.1 - 2012-5.11. This ANSI standard will probably soon become part of the William-Steiger Act of 1970- the OSHA act.



## OPERATION INFORMATION:



## INSTALLATION INSTRUCTIONS

1. Control should be mounted on a flat surface using mounting plate provided.
2. Distance between switches should not exceed 200'. Use no more than 100' of cable per switch end. This is for safety purposes, too much cable can result in a "long pull" situation due to slackness in the cable.
3. Space cable support eye bolts every 10 feet. Keep cable from becoming too slack, also not too tight as to pull out the cable end clevis.
4. Shutdown controls should be wired through the motor control circuit, not directly to motor power.
5. After applying power, actuate by pulling cable to check switch. This will ensure that there is not too much slack in the cable and that there are no obstructions in the cable or flag arm.



# MODEL PC STOP CONTROL SWITCH

## SELECTION AND MODEL INFORMATION

### 1-SINGLE POLE:

double throw  
microswitch

**PCL-1S - LEFT HAND**

**PCR-1S - RIGHT HAND**

### TYPICAL USE:

Emergency shutdown  
of conveyors or other  
machinery.

### 1-TWO CIRCUIT:

double break  
microswitch for  
D.C. circuits

**PCL-1T - LEFT HAND**

**PCR-1T - RIGHT HAND**

### TYPICAL USE:

Emergency shutdown  
of conveyors or other  
machinery.

### 1-SINGLE POLE:

double throw  
microswitch at  
each end

**PCD-2S - DOUBLE ENDED**

### TYPICAL USE:

Emergency shutdown  
of conveyors or other  
machinery.

### 1-TWO CIRCUIT:

double break  
microswitch for  
D.C. circuits

**PCD-2T - DOUBLE ENDED**

### TYPICAL USE:

Emergency shutdown  
of conveyors or other  
machinery.

### AVAILABLE OPTIONS:

Explosion-Proof for Hazardous locations • Epoxy Coating for Corrosive locations

### 2-SINGLE POLE:

double throw  
microswitch

**PCL-2S - LEFT HAND**

**PCR-2S - RIGHT HAND**

### TYPICAL USE:

Emergency shutdown  
of conveyors or other  
machinery – with alarm  
or secondary function  
capability.

### 2-SINGLE POLE:

double throw microswitch  
at each end

**PCD-4S - DOUBLE ENDED**

### TYPICAL USE:

Emergency shutdown of  
conveyors or other  
machinery – with alarm  
or secondary function  
capability.

### 2-TWO CIRCUIT:

double break  
microswitch for  
D.C. circuits

**PCL-2T - LEFT HAND**

**PCR-2T - RIGHT HAND**

### TYPICAL USE:

Emergency shutdown  
of conveyors or other  
machinery – with alarm  
or secondary function  
capability.

### 2-TWO CIRCUIT:

double break microswitch  
at each end for D.C. circuits

**PCD-4T - DOUBLE ENDED**

### TYPICAL USE:

Emergency shutdown of  
conveyors or other  
machinery – with alarm  
or secondary function  
capability.

### AVAILABLE OPTIONS:

Explosion-Proof • Epoxy Coating for Corrosive locations • Optional Light for Remote or dark locations

### HAZARDOUS LOCATIONS:

UL/CSA explosion proof units meet NEMA Type 7 – Class 1 (Div. 1 & 2), Groups C and D, NEMA Type 9 – Class II (Div. 1 & 2), Groups E, F and G for hazardous locations. Add "X" to model number, NO ADDITIONAL CHARGE.

### ALTERNATE CONSTRUCTION:

Dual rated enclosure NEMA type 4, 4X & NEMA type 9 – Class II (Div. 1 & 2), Groups E, F and G for hazardous locations, with O-ring gaskets. Add "D" to end of model number.

### CORROSIVE LOCATIONS:

Epoxy coated housing with standard flag arms and plated torsion springs. Add "E" to model number.

### REMOTE OR DARK LOCATIONS:

Use our red warning light in dark and remote areas (requires two microswitches per end of housing). 125 VAC. (incandescent) NOTE: Available in rain tight, dust tight and explosion proof. Add suffix "L" to model number.  
*125 VAC LED lamp available by special order.*

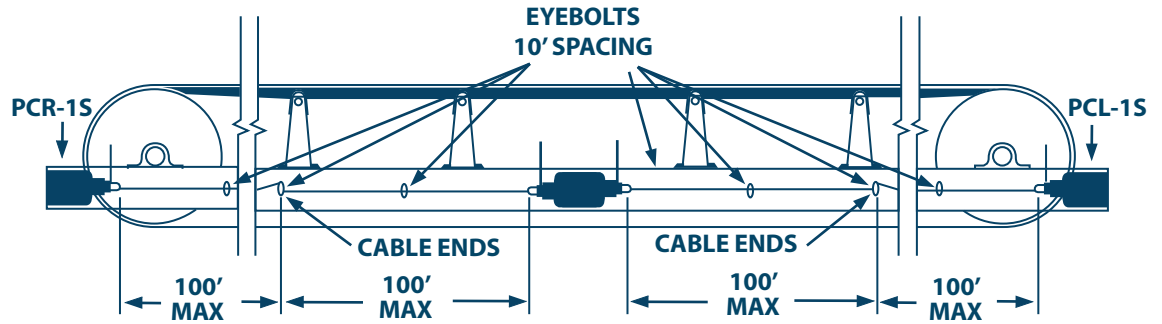
# PC MODEL STOP CONTROL SWITCH



**LEFT HAND  
PCL-1S**



**RIGHT HAND  
PCR-1S**



### TECHNICAL INFORMATION

UL/CSA certified enclosure sealed for outside applications • Standard unit meets NEMA Type 1,3,4,4X and 12 requirements • Housing: cast aluminum • Flag arm: steel with red powder coating

## WIRING INFORMATION

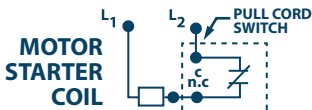
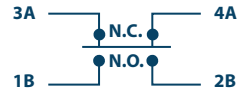
**STANDARD SWITCH** – One SP/DT switch per end (two switches per end available) • 20 AMPS, 125, 250 or 480 VAC • 10 AMPS, 125 VAC “L” (tungsten lamp load) • 1 HP, 125 VAC • 2 HP, 250 VAC • 1/2 AMP, 125 VDC • 1/4 AMP, 250 VDC

**OPTIONAL SWITCH** – One two-circuit double break switch per end (two switches per end available) • 15 AMPS, 120, 240, 480 or 600 VAC • 1/2 HP, 120 VAC • 1 HP, 240 VAC • 0.8 AMPS, 115 VDC • 0.4 AMP, 230 VDC

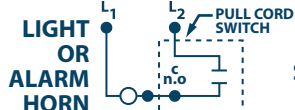
**SINGLE POLE, DOUBLE THROW CIRCUIT**



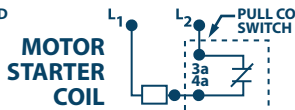
**TWO CIRCUIT, DOUBLE BREAK CIRCUIT**



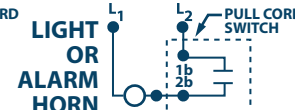
**MOTOR CONTROL CIRCUIT**



**WARNING CIRCUIT**

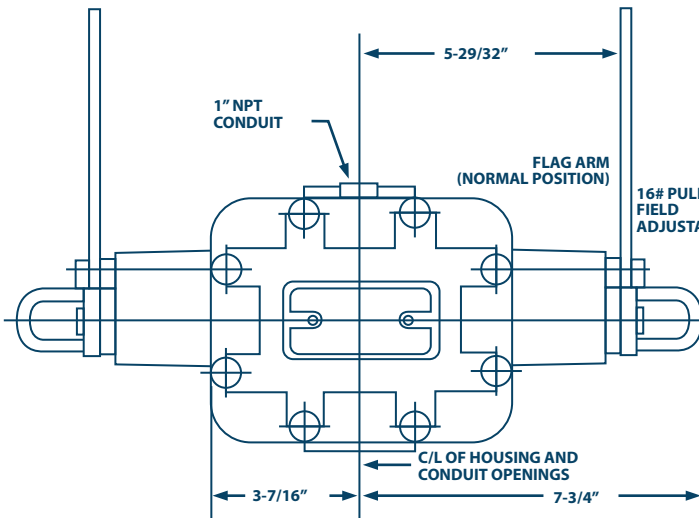


**MOTOR CONTROL CIRCUIT**

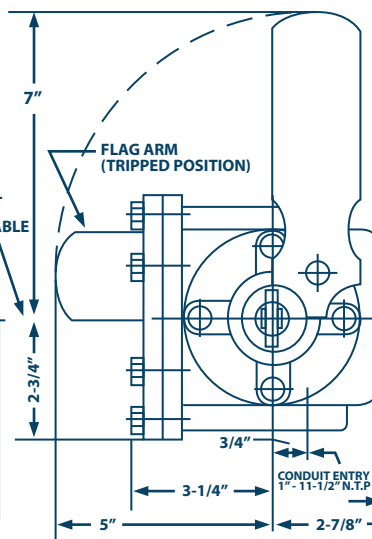


**WARNING CIRCUIT**

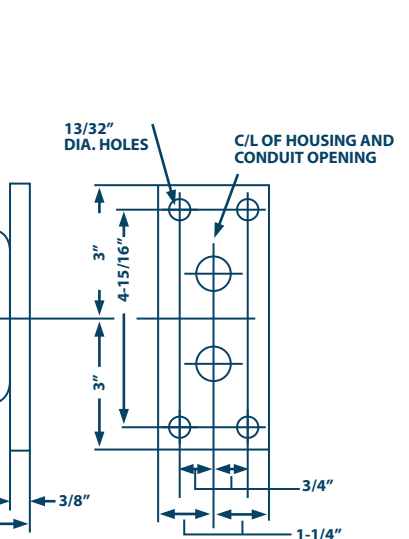
**NOTE:** Two circuit double break switches must be wired to equal voltages sources and the same polarity. Lads should be on the same side of the lines. 1B has the same polarity as 3A.



**FRONT VIEW (DOUBLE END UNIT)**



**SIDE VIEW**



**MOUNTING PLATE**

# AIRMATIC<sup>®</sup> INC

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The **SERVICE GROUP** provides fabrication, installation, and maintenance services to improve bulk materials handling efficiency; mechanical clean-out services for silos and hoppers to eliminate material flow problems; and shop repair/rebuilding and modifications services of products sold by the Company. Our Customers tell us that by choosing AIRMATIC to solve their problems, they gain increased productivity, decreased costs, and a safer, cleaner work environment.

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