

CONVEYOR SAFETY PC-STOP CONTROL

**CABLE OPERATED CONVEYOR SAFETY PC-STOP SWITCH
IS THE FINEST SWITCH OF IT'S KIND — RUGGED
CONSTRUCTION WITHSTANDS THE HARDEST USAGE.**



Conveyor Components Company



OPERATION INFORMATION:

A cable is connected from a fixed point to the cable end connection clevis. Pulling on the cable approximately 1/2" will actuate the switch, trip the flag arm down into the walkway and lock the switch in the actuated position. The unit is reset by returning the flag arm to the normal up position.

ACTUATION FORCE:

Standard units are supplied with an actuation (pull) force of 16 lbs. At no extra charge, units can be factory set at 25 lbs. actuating force.

OPTIONAL WARNING LIGHT:
RED LIGHT CAN BE EASILY
SEEN IN DARK SITUATIONS

20 AMP 480V AC SP/DT
CONTACTS (STANDARD)

RED POWDER COATED
FLAG ARM — HEAVY
DUTY (NORMAL POSITION)

MOUNTING PLATE

RUGGED TORSION
SPRING FOR
POSITIVE ACTUATION
OF FLAG ARM

CABLE END
CONNECTION
CLEVIS

STAINLESS
STEEL
BUSHING

CAST
ALUMINUM
HOUSING,
ALSO
AVAILABLE
WITH
CORROSION
RESISTANT
EPOXY COATING.

1" CONDUIT OPENING

CUTAWAY VIEW

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 taut 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.

REMOVAL OF THE COVER PLATE
EXPOSES SWITCH TERMINALS.
AMPLE ROOM FOR WIRING.

STAINLESS STEEL
SHAFT AND
RETAINING RING

WIRING INFORMATION

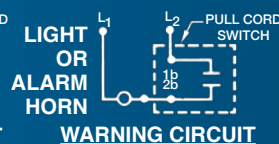
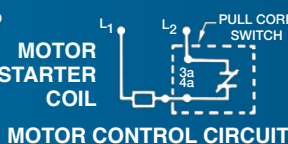
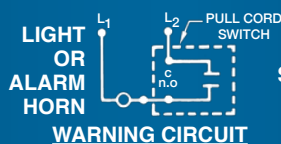
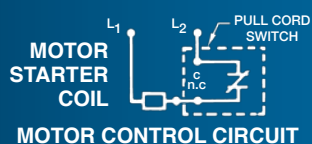
STANDARD SWITCH — One SP/DT switch per end (two switches per end available)

- 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

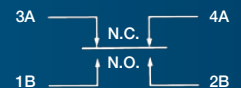
OPTIONAL SWITCH — One two-circuit double break switch per end (two switches per end available.)

- 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

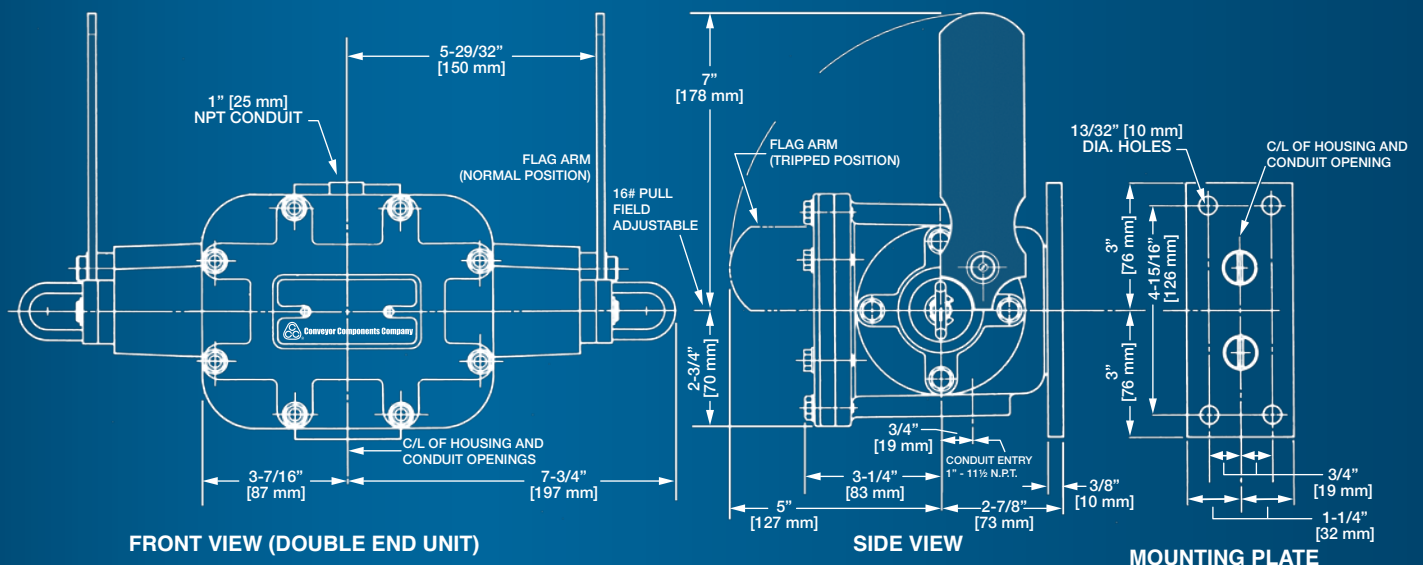
SINGLE POLE, DOUBLE THROW CIRCUIT

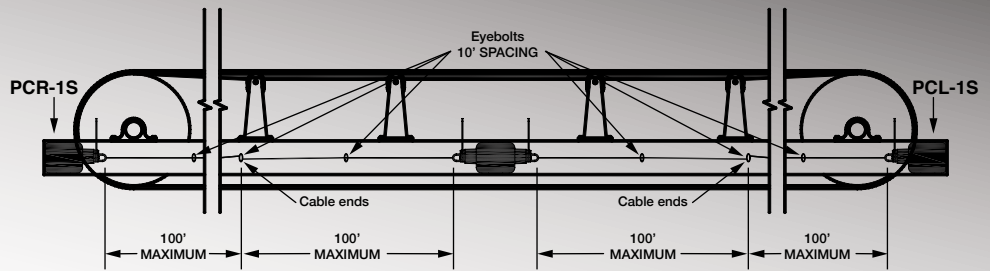
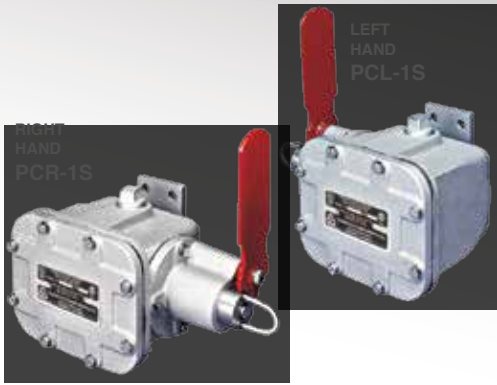


TWO CIRCUIT, DOUBLE BREAK CIRCUIT



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





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

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-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-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 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 for Hazardous locations • **Epoxy Coating** for Corrosive locations • **Optional Light** for Remote or dark locations

SPECIAL APPLICATION OPTIONS

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.**

CORROSIVE LOCATIONS:

Epoxy coated housing with standard flag arms and plated torsion springs. Please 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.

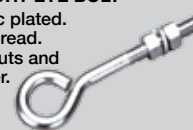
Add suffix “L” to model number.

125 VAC LED lamp available by special order.

ACCESSORIES

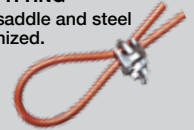
CABLE SUPPORT EYE BOLT

1" eye x 6" zinc plated.
1/2"-13 x 2 1/2" thread.
Includes two nuts and one lockwasher.
PC-27



CABLE END FITTING

Forged steel saddle and steel U-bolt. Galvanized.
PC-28



SAFETY CABLE

3/32" x 7x7 preformed, galvanized aircraft cable. Available with either orange vinyl or orange nylon protective coating. 3/16" O.D.
Vinyl Coated **PC-25**
Nylon Coated **PC-26**



CONDUIT PLUG

1" metal, socket head conduit plug.
PC-29



PC MOUNTING BRACKET

PC-30



[SEE PRICE SHEET FOR PRICES]

CONVEYOR SAFETY PC-STOP CONTROL

**for immediate positive
shutdown of equipment**



The PC Stop Control can be used for emergency shutdown of conveyor systems, elevator equipment, bulk handling systems, cranes, production and assembly lines, or any other equipment which may require immediate, positive shutdown.

**SEE OUR OTHER BULLETINS FOR ADDITIONAL
PRODUCTS TO KEEP YOUR CONVEYOR
OPERATING SMOOTHLY**

