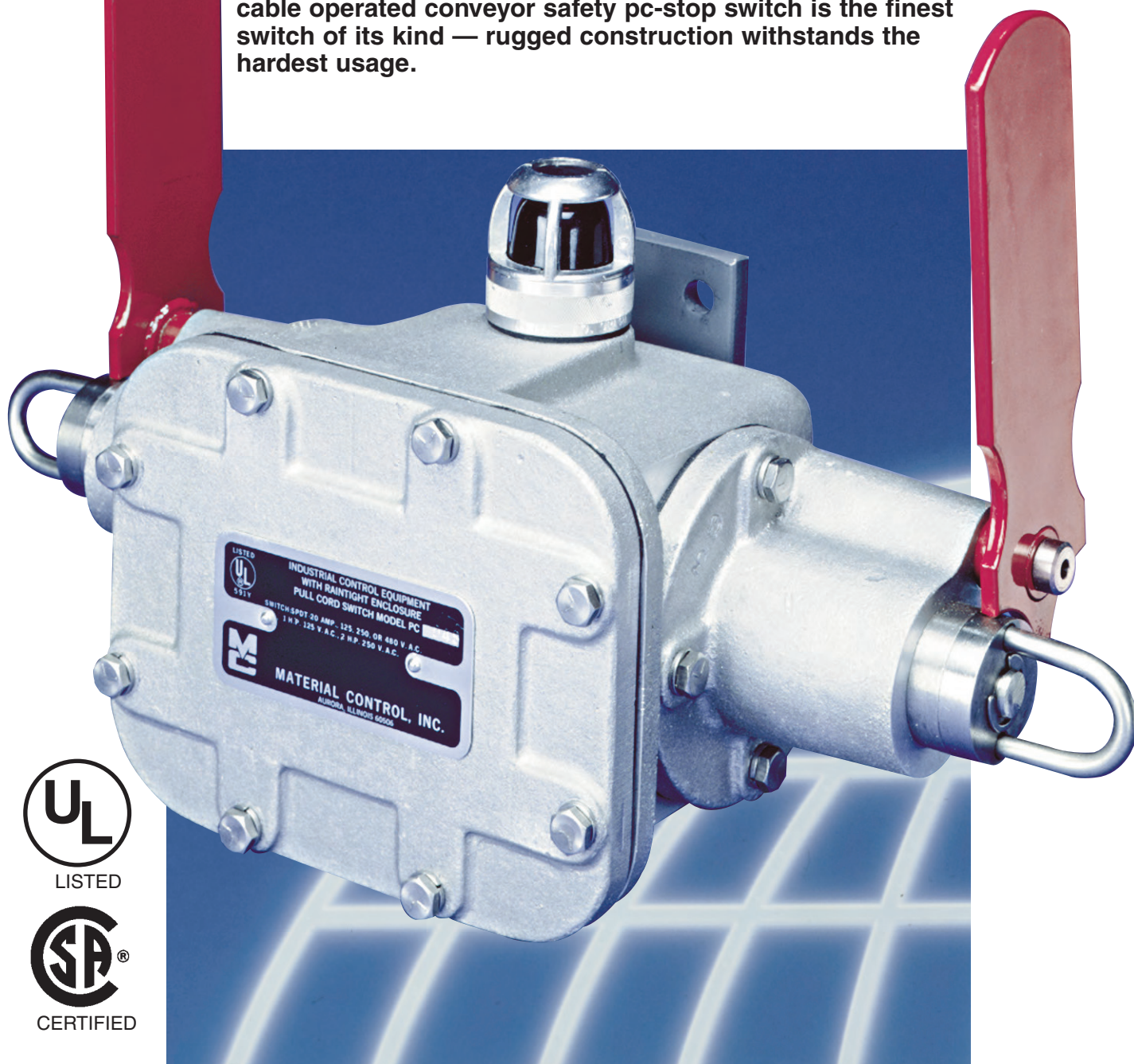


conveyor safety pc-stop switch

cable operated conveyor safety pc-stop switch is the finest switch of its kind — rugged construction withstands the hardest usage.



MATERIAL CONTROL, INC.

197 POPLAR PL. • UNIT 3

P.O. BOX 308

NORTH AURORA, IL 60542-0308

800-926-0376 • 630-892-4274 • FAX 630-892-4931

WWW.MATERIALCONTROLINC.COM • EMAIL: SALES@MATERIALCONTROLINC.COM

OPERATION INFORMATION:

A cable is connected from a fixed point to the cable end connection clevis. A pull on the cable with a movement of approximately $\frac{1}{2}$ " will actuate the switch and trip the flag arm down, into the walk-way, and lock the switch and flag arm in the actuated position. Unit is reset by returning the flag arm to the normal up position.

ACTUATION FORCE:

Standard unit is supplied with an actuation (pull) force of 16 lbs. We can supply (at no extra charge) units factory set at 25 lbs. actuating force. The standard 16 lbs. actuation force will allow the use of far more cable, per switch, than would ever be required (over 500 ft. of unsupported cable).

INSTALLATION INSTRUCTIONS

1. Switch should be mounted on a flat surface using mounting holes provided. One fastener in each end of mounting bar will be sufficient.
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'. Keep cable from becoming too slack, also not "tight" as to be pulling out the cable end clevis.
4. Wiring should be through the motor control circuit.
5. After applying power, actuate by pulling cable to check switch. This will insure that there is not too much slack in the cable and that there are no obstructions in the cable or flag arm.

CABLE END CONNECTION CLEVIS

STAINLESS STEEL BUSHING

CAST ALUMINUM HOUSING ALSO AVAILABLE WITH CORROSION RESISTANT EPOXY COATED HOUSING

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

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

RED EPOXY PAINT FLAG ARM — HEAVY DUTY (NORMAL POSITION)

RUGGED TORSION SPRING FOR POSITIVE ACTUATION OF FLAG ARM

REMOVAL OF COVER PLATE EXPOSES SWITCH TERMINALS. PLENTY OF ROOM FOR WIRING

STAINLESS STEEL SHAFT AND RETAINING RING

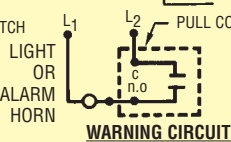
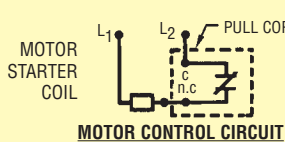
1" CONDUIT OPENING

WIRING INFORMATION:

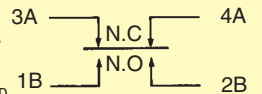
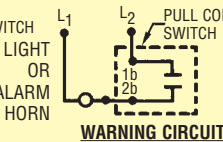
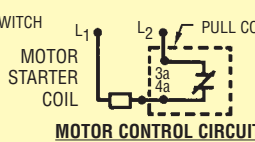
STANDARD SWITCH — One SP/DT switch per end (extra switch per end avail.)
 • 20 AMPS, 125, 250 or 480 VAC • 10 AMPS, 125 VAC "L" (tungsten lamp load)
 • 1 HP, 125 VAC • 2 HP, 250 VAC • $\frac{1}{2}$ AMP, 125 VDC • $\frac{1}{4}$ amp, 250 VDC

OPTIONAL SWITCH — One two circuit double break switch per end (extra switch per end available.) • 15 AMPS, 120, 240, 480 or 600 VAC • $\frac{1}{2}$ HP, 120 VAC
 • 1 HP, 240 VAC • 0.8 AMPS, 115 VDC • 0.4 AMP, 230 VDC

SINGLE POLE, DOUBLE THROW CIRCUIT

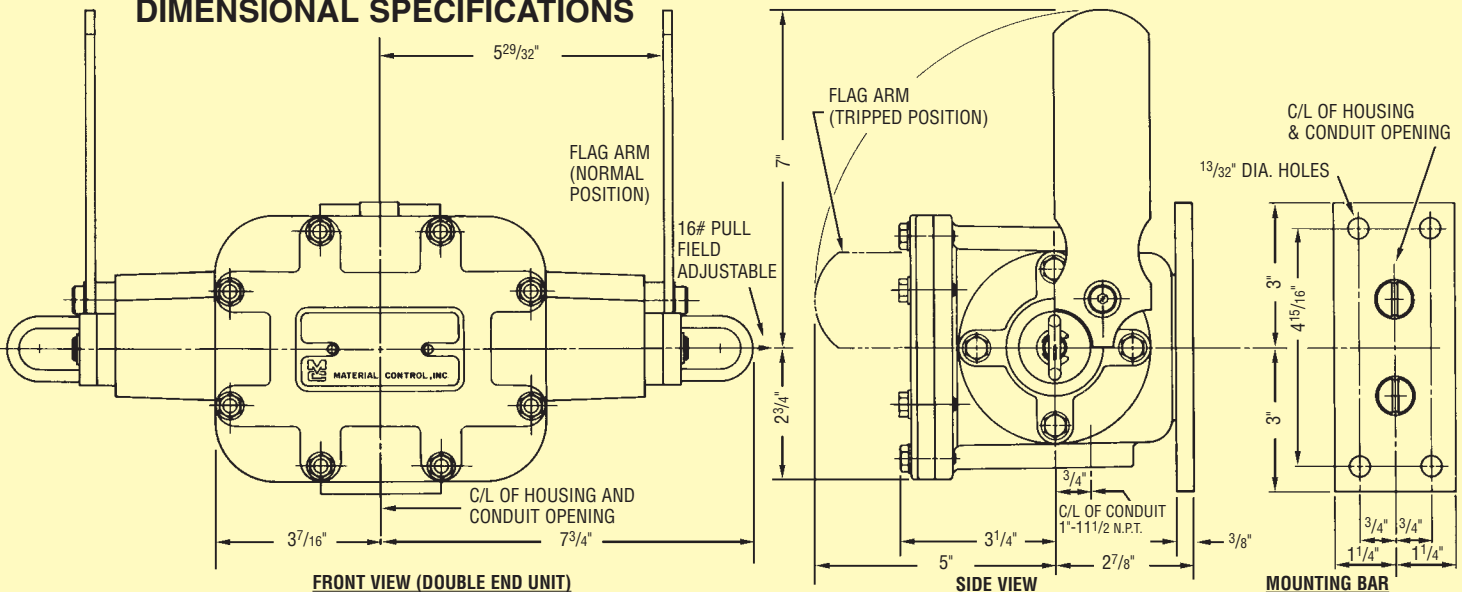


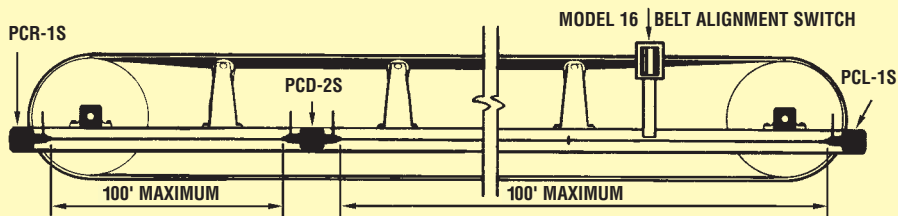
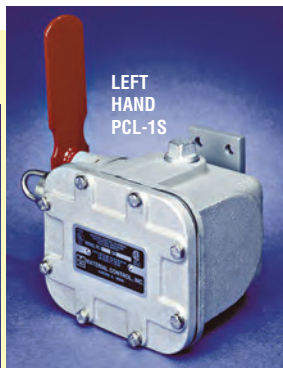
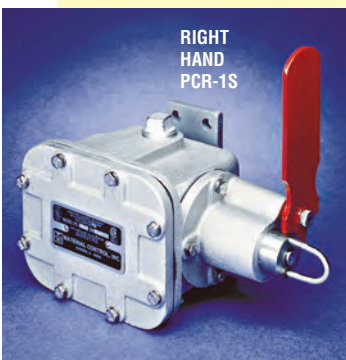
TWO CIRCUIT, DOUBLE BREAK CIRCUIT



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.

DIMENSIONAL SPECIFICATIONS





TECHNICAL INFORMATION:
 Enclosure sealed for outside applications • Standard unit meets NEMA 1,3,4,4X and 12 requirements • Housing: cast aluminum
 • Flag arm: steel with red epoxy paint coating.

SELECTION AND MODEL INFORMATION

1-SINGLE POLE:

double throw micro switch
PCL-1SLEFT HAND
PCR-1SRIGHT HAND
TYPICAL USE:
 Emergency shutdown of conveyors or other machinery.
AVAILABLE OPTIONS:
 • Hazardous locations
 • Corrosive locations

1-TWO CIRCUIT:

double throw micro switch for D.C circuits
PCL-1TLEFT HAND
PCR-1TRIGHT HAND
TYPICAL USE:
 Emergency shutdown of conveyors and other machinery.
AVAILABLE OPTIONS:
 • Hazardous locations
 • Corrosive locations

1-SINGLE POLE:

double throw micro switch at each end
PCD-2SDOUBLE ENDED
TYPICAL USE:
 Emergency shutdown of conveyors and other machinery.
AVAILABLE OPTIONS:
 • Hazardous locations
 • Corrosive locations
 • Remote or dark locations

1-TWO CIRCUIT:

double throw micro switch at each end for D.C circuits
PCD-2TDOUBLE ENDED
TYPICAL USE:
 Emergency shutdown of conveyors or other machinery.
AVAILABLE OPTIONS:
 • Hazardous locations
 • Corrosive locations
 • Remote or dark locations
 • Pennsylvania B.O.T.E. approved

2-SINGLE POLE:

Double throw micro switch
PCL-2SLEFT HAND
PCR-2SRIGHT HAND
TYPICAL USE:
 Emergency shutdown of conveyors or other machinery — with alarm or computer interface capability.
AVAILABLE OPTIONS:
 • Hazardous locations
 • Corrosive locations
 • Remote or dark locations

2-TWO CIRCUIT:

Double throw micro switch for D.C circuits
PCL-2TLEFT HAND
PCR-2TRIGHT HAND
TYPICAL USE:
 Emergency shutdown of conveyors or other machinery — with alarm or computer interface cap.
AVAILABLE OPTIONS:
 • Hazardous locations
 • Corrosive locations
 • Remote or dark locations

2-SINGLE POLE:

Double throw micro switches at each end
PCD-4SDOUBLE ENDED
TYPICAL USE:
 Emergency shutdown of conveyors or other machinery — with alarm or computer interface capability.
AVAILABLE OPTIONS:
 • Hazardous locations
 • Corrosive locations
 • Remote or dark locations

2-TWO CIRCUIT:

Double throw micro switches at each end for D.C circuits
PCD-4TDOUBLE ENDED
TYPICAL USE:
 Emergency shutdown of conveyors or other machinery — with alarm or computer interface capability
AVAILABLE OPTIONS:
 • Hazardous locations
 • Corrosive locations
 • Remote or dark locations

MODELS
PCL-1S
PCR-1S
PCL-2S
PCR-2S

MODELS
PCL-1T
PCR-1T
PCL-2T
PCR-2T

MODELS
PCD-2S
PCD-4S

MODELS
PCD-2T
PCD-4T

SPECIAL APPLICATION OPTIONS:

HAZARDOUS LOCATIONS:

Explosion proof units meet NEMA 7 — class 1, Groups C and D
 • NEMA 9 — class II, Groups E, F and G for hazardous locations. Add "X" to model number, **NO ADDITIONAL CHARGE.**

REMOTE OR DARK LOCATIONS:

Use or red warning light in dark and remote areas (requires two micro switches per end of housing). 125V AC.
NOTE: Available in rain tight, dust tight and explosion proof. Add prefix "L" to model number.

CORROSIVE LOCATIONS:

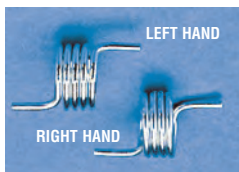
Epoxy coated switches with standard flag arms and plated torsion springs. Please add "EPOXY" to model number.

PENNSYLVANIA B.O.T.E. APPROVED:

PCD-27-B.O.T.E.

SEE PRICE SHEET FOR PRICES

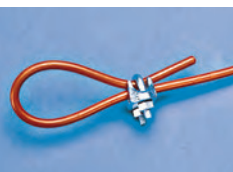
ACCESSORIES:



TORSION SPRINGS
 Right or left hand replacement torsion springs for all PC switches. **PC-31 RH or LH**



CABLE SUPPORT EYE BOLTS
 Plated 1/2" N.C. thread - two nuts and one lock-washer included. **PC-27**



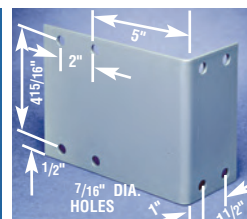
CABLE END FITTINGS
 Forged steel saddle and steel U-bolt. Cadmium plated bolts and nuts. **PC-28**



CABLE WITH ORANGE PROTECTIVE COATING
 3/32 7x7 preformed galvanized aircraft cable 3/16" O.D. Vinyl coated. **PC-25**
 Nylon coated. **PC-26**



CONDUIT PLUG
 1" metal conduit plug. **PC-29**



PC MOUNTING BRACKET. PC-30

conveyor safety pc-stop switch

for immediate positive
shutdown of equipment



Our PC Stop Switch can be used for emergency or normal 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 SWITCHES TO KEEP
YOUR CONVEYOR OPERATING
SMOOTHLY**



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