

Material Handling Applications: -

“PEPL” make Pull Cord Switch, Belt Sway, Heavy Duty Limit Switches are used for safety in material handling industries. These switches are installed at 30 Mtrs distance on a conveyor. Field switches are usually with different configurations of output contacts.



Features :-

- ✓ Universal (common) cast aluminium enclosure.
- ✓ Same overall and general mounting dimensions and hence reduction in variety of mounting brackets.
- ✓ Rationalised design and construction allows inter changeability of parts.
- ✓ Special rubber seal (* 0 *ring) on shaft for better protection against ingress of dust, dirt etc.

General Specifications :-

Type	Belt Sway Switch	Pull Cord Switch	Limit
Output contacts	2 NO + 2 NC/INO+INC	INO/1 NC	2 NO + 2
Contact ratings.		Rating of 16 Amp at 230/440 VAC	
Reset	Auto	Manual	Auto
Dimensions		155(H) x 115(W) x 95(D) in mm.	
Weight		1.6 Kgs	2 Kgs
Colour		Siemens Grey as per RAL-7032	
Cable Entry		2 No, ½” PVC Cable gland.	

BELT - SWAY SWITCH :

- **Construction :-** The switch is housed in a dust and weatherproof enclosure with IP 65 grade of protection. The contact roller is supported on poly plastic bearings (Delring) having high lubrications and the lowest coefficient of friction. This assures smooth operation of the roller over a long period of time. Roller mechanism is of self reset type. The enclosure is powder coated with Siemens Grey colour to withstand harsh climate.
- **Operation :-** For normal running of the belt with acceptable swaying, the belt - sway switch is generally mounted on both sides and near the edge of the conveyor belt. A small clearance is allowed between contact roller and the belt edge to allow the normal running of the belt with acceptable swaying. When swaying exceeds normal limit, the belt edge pushes the contact roller, which drives the switch and operates the contacts. The switch resets automatically when the belt resumes normal running.
- **Application :-** The switch allows smooth running of the conveyor and protects it from damages by over swaying which can occur due

PULL CORD SWITCH :

- **Construction :-** Pull cord switch is housed in a dust & weatherproof enclosure with IP 65 of protection. Sturdy & heavy - duty Cam- Switch with robust contacts is used to give longer service life. Operating handle is fitted with spring steel rings at both ends for fixing the rope. The design of the rings gives maximum flexibility in operating condition. Enclosure is powder coated with Siemens grey colour to give high corrosion resistance. The switch is designed with manual reset type of mechanism.
- **Operation :-** Mount the Pull Cord Switch on the walkway side of the conveyor belt. When the rope is pulled from the rope, the switch sets in its operating condition unless the handle is reset manually.
- **Application :-** Pull cord switch, also known as Rope Operated Emergency switch, is used as a safety switch to stop the conveyor belt in case of an emergency.

HEAVY DUTY LIMIT SWITCH :

- **Construction :-** Limit switches are enclosed in heavy duty weatherproof enclosure. The roller handle can be provided with different sizes and design to suit specific requirement.
- **Operation :-** NC contact of these switches are wired in the circuit and taken to control room. Attending person will know if any of the switch is actuated, but the exact location of actuated switch, can only be detected by visual inspection at site.
- **Application :-** Heavy Duty limit switch are extensively used on EOT cranes, conveyors, transfer cars, elevators, steel mills and mobile/ material handling equipments for sensing of end limits and position sensing.

Other **PEPL Products** : Indicators, Controllers, Transmitters, Isolators, Converters, Electrical Instruments for Electrical Transducers, Applications, Timers, Flow Totalizers, Alarm Annunciators, Temperature Scanners, Temp. Max Transmitters, Speed Measuring Instruments, PLC, SCADA, HMI, AC Drives, Ultrasonic, Radar level

Specifications are subject to change without prior notice.

Manufacturing facilities :

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