



HEAT Technologies

“High-Tech Solutions for the Interactive Age”

CONVEYOR & MATERIAL HANDLING SAFETY SWITCHES



Now a days in modern Material handling Plant, to ensure safety and avoid accident and for smooth running of conveyor. Pull cord switches / Belt Sway Switch / Speed switches are must. Pull cord switches are used for emergency stoppage of conveyor manually & are installed in walkway of conveyor preferably at every 20 meter. Belt sway switches are used to ensure smooth running of conveyor with acceptable swaying. Speed switches (under / over / Zero) are essential control & safety Device in Modern Material Handling Plant.

PULL CORD SWITCH



APPLICATION :

Incase of an emergency rope of pull cord switch is pulled to stop the conveyor.

CONSTRUCTION :

- (1) Housed in robust die cast Alu. Housing epoxy paint & DMC (with IP65, dust, Weather & corrosion resistance)
- (2) Heavy duty cam switch with robust contracts in used for longer life, It is designed with manual reset.
- (3) Metallic operating lever with spring steel ring at both end fir fixing Pull cord rope. Steel ring are designed such that moderate operating torque ensures tripping in emergency.

Models available : 1. Manual Reset / separate Resetting Lever 2. Models available with Junction box/Including lamp. 3. Mechanical Flag. 4 Addressable Type.

OPERATION :

Pull cord switches are operated by pulling Rope at any side. Unless & until the normal position handle is reset to Normal Position the switch. remains in operated position.

OPTIONAL MOUNTING ACCESSORIES :

- (A) Perfectly insulated galvanized pull cord wire rope, overall dia 5-6 mm. providing total safety to operator's hand
(B) Single or double compression gland (C) Eye Hook (D) D Clamp

BELT SWAY SWITCH

To protect conveyor from damage of over swaying which occurs due to worn surface uneven material, defective, worn out idler & roller bearing etc.

CONSTRUCTION :

- (1) It is Housed in robust die Alu Housing Epoxy Paint with IP-65 Grade, Dust, Weather & corrosion resistant)
- (2) The contact roller is Supported on poly plastic bearing (delrin) relative of lubrication & the lowest coefficient of friction.
- (3) Roller mechanism is of self reset type.

OPERATION:

For Normal running of the belt with acceptable swaying, the belt sway switch is generally mounted of both sides and near the edge of the conveyor belt. A small clearance is allowed between contact roller and the belt with acceptable swaying. When swaying exceeds normal limit the Belt edge pushes the contact roller, which drives the switch and operates the contracts. The switch resets automatically when the belt resumes, normal running.

