

## Guard Removal Detector SGR-DS & SGR-SS Smart Guard

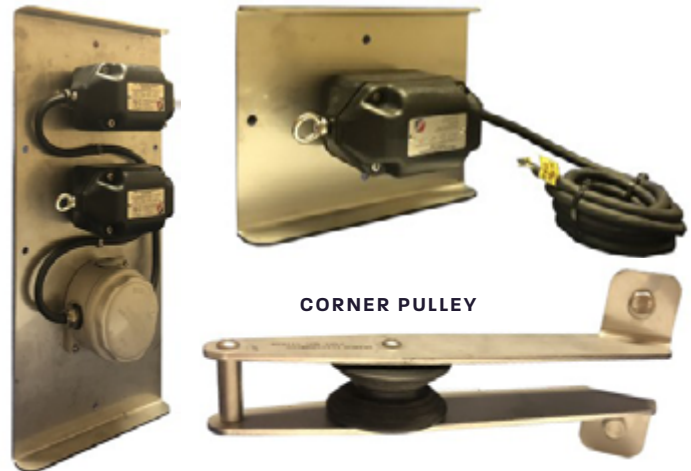
The Smart Guard is designed to stop the conveyor belt or prevent it from starting when a side guard has been removed for maintenance. This protects workers from accessing pulley systems whilst the conveyor belts are running.

The conveyor will not start until the steel wire rope is strung through the gate hanger and the pin has been pushed back into position.

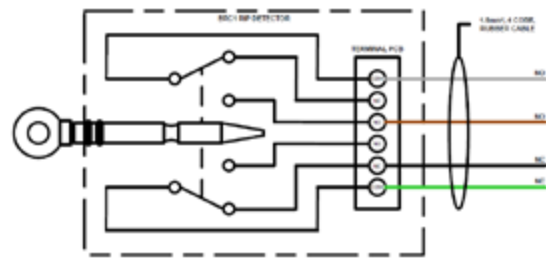
Where the steel wire rope needs to go around corners, the Inelco corner pulley can be used. For larger scale guards, the SGR-DS allows the trip action to activate by pulling one side, instead of needing to re-string around the full guard.

Features include:

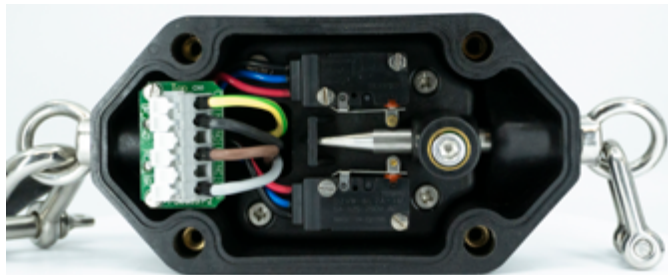
- Multiple side guards covered with one switch.
- Solid pin lock mechanism with spring loaded ball bearings.
- Maintenance-free design.
- IP67 UL/ENEC certified switch
- Vibration-resistant spring-tensioned switch terminals



### STANDARD SWITCH CONTACTS



### A CLOSER LOOK



#### Switch Connections

Pin is held in position with spring-loaded ball bearings.



#### O-Ring Seals

Two seals maintain a IP67 rating whilst pin is secured.



#### Lid Screws

Remains attached to the lid and cannot lose easily.

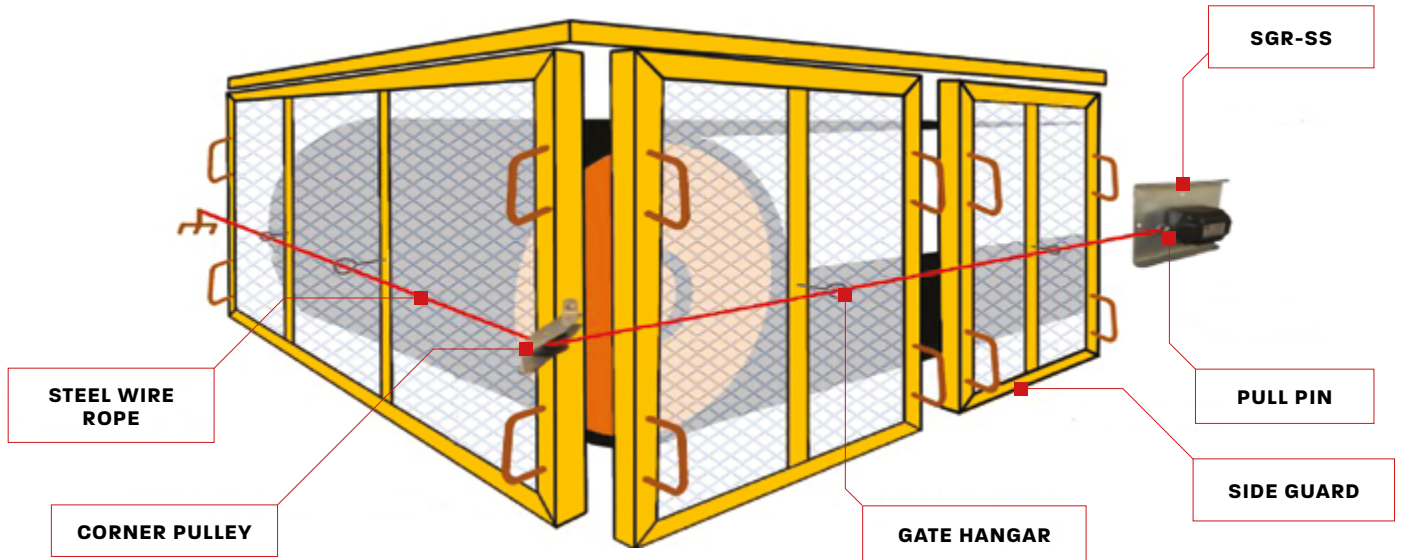
### TECHNICAL SPECS

Switches Complies with	ENEC / UL Certified in accordance with: EN 61058-1:2016 EN IEC 61058-1:2018 UL 61058-1 UL60158-1-1 CSA C22.2 NO.61058-1-17 CSA C22.2 NO.61058-1-1-17
Material	High Impact Glass Reinforced Nylon Enclosure, All other components Stainless Steel & Brass
IP Rating (Enclosure)	IP66 & IP67
IP Rating (Contacts)	IP67
Contact Rating	3A @ 250VAC
Contacts	2 x SPTD Contacts
Pull Pin Force	43.6N
Enclosure Size	145mm (L) x 76mm (W) x 100mm (H)

## Guard Removal Detector

SGR-DS & SGR-SS Smart Guard

### RECOMMENDED INSTALLATION



The SGR internal switches operate when the pull pin has been pulled out. The pull pin is held into position with spring loaded ball bearings that keeps it into position. The pull pin is attached to a steel wire rope that is strung through gate hangers that are attached to the side guards.

When a side guard is removed whilst the conveyor is running, the steel wire rope will pull the pin that will trip the conveyor. The conveyor will not be able to start until the pin has been pushed back into position. The eye nut of the pull pin moves freely through the gate hanger holes.

\*Refer to installation manual for more information

### ORDERING DATA

#### Guard Removal Detector Options

SSPD-SGR-SS	SGR-SS Single Side Guard Removal Detector c/w 30m Cable
SSPD-SGR-DS	SGR-DS Double Side Guard Removal Detector c/w 60m Cable
SSPD-SGR-CP	Side Guard Removal Detector Corner Pulley, 304 S/S
SSPD-SGR-GH-GS	Gate Hangers, M10 x 150mm, Galvanised Steel
SSPD-SGR-GH-SS	Gate Hangers, M10 x 150mm Stainless Steel
SSPD-TH-GS	Thimble, 5mm Galvanised Steel
SSPD-TH-SS	Thimble, 5mm Stainless Steel
SSPD-CC-GS	Crosby Clamp, 5mm Galvanised Steel
SSPD-CC-SS	Crosby Clamp, 5mm Stainless Steel
SSCE-PW-GS-CL	Pull Wire, 3mm Galvanised Steel, covered to 5mm with PVC Clear
SSCE-PW-GS-RD	Pull Wire, 3mm Galvanised Steel, covered to 5mm with PVC Red
SSCE-PW-SS-RD	Pull Wire, 3mm Stainless Steel, covered to 5 mm, PVC Red