

## Remote Worker Protection Device

O'CONNOR

Workers are warned of approaching trains from one direction with a sensor transmitter placed 100 m to 500 m from the workers or around a bend, and a receiver flasher placed at the work area. Upon detecting an approaching train, the sensor transmitter transmits a signal to the receiver flasher which then sounds a loud alarm and flashes a high intensity light. The sensor transmitter mounts on an industrial tripod and is powered through a rechargeable battery. To use the sensor transmitter, aim the optical scope down the track and turn on the power.

At the worker site, place the receiver flasher near the workers. A data link validity LED verifies a valid signal between the sensor transmitter and the receiver flasher. If link is lost, the audible alarm sounds. Use 2 systems for both directions.

- Features**
- Direction sensing for approaching trains
  - Display with remote sensor
  - Low power, runs over 24 hours on one car battery charge
  - Sensor FCC Part 15 and CE approved
  - Weather proof stainless steel case



*Receiver Flasher;  
Battery Powered*



*Receiver Flasher;  
Solar Powered*

# Remote Worker Protection Device



## Sensor Transmitter Specifications

Radar Type	24.125 GHz Doppler
Mount	Industrial Tripod
Detection Speeds	2 to 220 km/h
Radar Range	500 m line of sight
Beamwidth	10°
Transmitter	300 MHz or 492 MHz, 100 mW dual analog data channel
Power	12 V dc, 3 watts, (50 foot cord with 12 V dc plug included)
Sensor Transmitter Size	10 cm x 11 cm x 20 cm
Weight with Tripod	10 kg

## Receiver Flasher Specifications

Flasher	10 cm high intensity LED strobe
Alarm	100 dB industrial buzzer
Mount	Aluminum tube, integrated
Power	12 V dc, 100 mW
Solar Charger	4.8 Watt peak (optional)
Size	10 cm diameter x 135 cm tall tube on 35 cm square base
Weight with Battery	15 kg



*Remote  
Worker Protection Device  
Sensor Transmitter*