

# SMARTWALK<sup>®</sup> XP

PEDESTRIAN PRESENCE SENSOR for Activation of Pedestrian Signals



## DESCRIPTION

The new SMARTWALK XP is part of MS Sedco's Automated Pedestrian Protection System. This microwave pedestrian presence sensor is designed for curbside, hands free activation of pedestrian signals.

The SMARTWALK XP is equipped with the latest advances to our patented microwave technology, making it capable of providing pedestrian presence detection in the targeted curbside area while ignoring stationary vehicles. The next generation software is designed to avoid false activations from nearby moving pedestrians not intending to use the crosswalk.

The SMARTWALK XP is ideal for activating warning lights at trail crossings, allowing them to only flash when a pedestrian on the trail approaches the crossing. This increases the effectiveness of the warning lights since they are only activated when a pedestrian is present. This also makes the SMARTWALK XP perfect for solar applications.

Use as a standalone device or in combination with the SMARTWALK XM to complete the MS SEDCO Automated Pedestrian Protection System. This system, the only one of its kind, provides increased pedestrian safety by activating the crosswalk signal (XP) and detecting pedestrians in the crosswalk area (XM) with no specific action required by the pedestrian!



## SMARTWALK XP SPECIFICATIONS

### PHYSICAL:

- ☑ Physical Dimensions: 4"W x 4"H x 7"L
- ☑ Enclosure: Powder Coated Aluminum
- ☑ Weight: 4 lbs.

### OPERATING:

- ☑ Operating Frequency: 24.125 GHz (K-band)
- ☑ Detection Method: Microprocessor Analyzed Doppler Microwave
- ☑ Detection Pattern: Adjustable with cover off
- ☑ Detection Angle: Adjustable
- ☑ Detection Mode: Selectable: approach-only, depart-only, or bidirectional motion
- ☑ Call Extension Time: 0.1 to 5 seconds
- ☑ Power Requirements: 12-24V AC or DC±10%
- ☑ Power Consumption: 2W Max.
- ☑ Relay Output: Form C, rated at 1 Amp @ 24V DC (N.O. and N.C.)

- ☑ Output Power: 5mW typical, 2mW minimum
- ☑ Relay Contact Ratings: 0.5A:50V AC  
1A:24V DC
- ☑ Temperature range: -29.2°F to 165°F  
(-34°C to 74°C)

### PERFORMANCE:

- ☑ Specifically designed to provide pedestrian presence detection in the targeted curbside area of a crosswalk or roadside at a trail crossing
- ☑ Ignores stationary vehicles while still detecting pedestrians
- ☑ Software minimizes false activations from vehicular traffic
- ☑ Low power requirements—Ideal in solar applications
- ☑ Installs and aligns in minutes
- ☑ Prolonged heavy rain could cause false activation

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