

# SMARTWALK<sup>®</sup> XM-S

SOLAR PEDESTRIAN MOTION SENSOR for Crosswalk Occupancy Detection



## DESCRIPTION

The new SMARTWALK XM-S is part of MS Sedco's Automated Pedestrian Protection System.

The SMARTWALK XM-S allows you to monitor the end of a crosswalk cycle and allow for the extension of the "DON'T WALK" time while a pedestrian is still in the curbside lane of the crosswalk. It accomplishes this by providing an output that can be wired into the crosswalk timing control. When the timing sequence is about to end, if the SMARTWALK XM-S detects someone in the targeted crosswalk area, it can enable the control timer to extend the "DON'T WALK" time, giving pedestrians additional time to safely exit the crosswalk.



The SMARTWALK XM-S can also be used to improve safety at trail crossings where the warning lights only flash when a trail user is present. Once the warning lights have been activated and the timed flashing cycle begins, the SMARTWALK XM-S can monitor the end of the flashing cycle and allow for the warning lights to continue flashing while a pedestrian is still in the targeted area near the roadside. The SMARTWALK XM-S can also be used in tandem with the SMARTWALK XP-S for early activation of the warning lights up to 60 feet from the roadside while the SMARTWALK XP-S provides presence detection at the roadside. When combined with the SMARTWALK XP-S, this system provides increased pedestrian safety by activating the crosswalk signal (XP-S) And detecting pedestrians in the crosswalk area (XM-S) with no special action required by the pedestrian!

## SMARTWALK XM-S 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: 12V DC±10%
- ☑ Power Consumption: 1W Max.

- ☑ Relay Output: Form C, rated at 1 Amp @ 24V DC (N.O. and N.C.)
- ☑ Output Power: 5mW typical
- ☑ Relay Contact Ratings: 0.5A:50V AC
- ☑ Temperature range: -29.2°F to 165°F (-34°C to 74°C)

### PERFORMANCE:

- ☑ Specifically designed for solar powered crosswalk occupancy applications
- ☑ Monitor the end of the crosswalk cycle and allow for extension of pedestrian clearance timer while a pedestrian is still in the curbside lane of a crosswalk
- ☑ Software minimizes false activations from vehicular traffic
- ☑ Installs and aligns in minutes

SMARTWALKXM-SV092017