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SmartWalk® XM Pedestrian Motion Sensor for Crosswalk Occupancy Detection

General Description

The SmartWalk XM 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 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 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 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.

Features

- Specifically designed for solar powered crosswalk occupancy applications.
- Monitors 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.

Specifications

- 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 \pm 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)
- Physical Dimensions: 4"W x 4"H x 7"L
- Enclosure: Powder Coated Aluminum
- Weight: 4 lb.



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