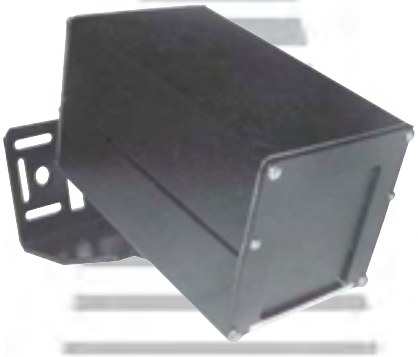
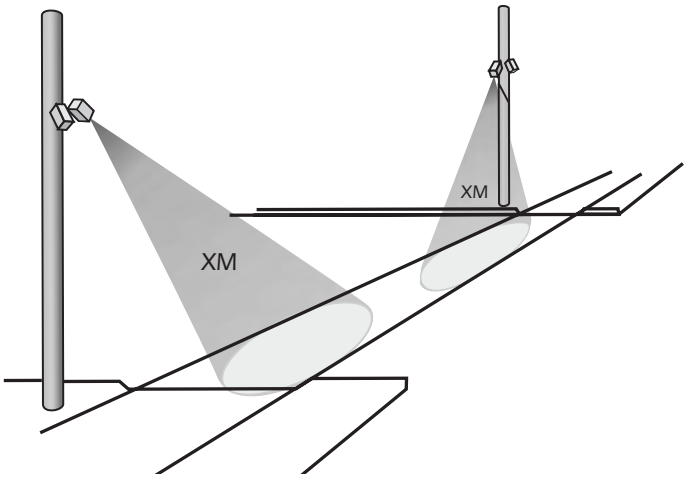
SmartWalk™ XM

Pedestrian Motion Sensor

for Crosswalk Occupancy Detection





- MICROWAVE LONG RANGE MOTION SENSOR
- DETECTS CROSSWALK OCCUPANCY
- UNAFFECTED BY TEMPERATURE, HUMIDITY, COLOR OR BACKGROUND NOISE VARIATIONS
- INSTALLS AND ALIGNS IN MINUTES
- IDEAL IN SOLAR APPLICATIONS

FCC APPROVED
US PATENT NO. 5,903,217

MS SEDCO
SENSORS & SWITCHES

The new SmartWalk XM is part of MS SEDCO's Crosswalk Activation and Occupancy Sensor System.

The new SmartWalk XM is equipped with redesigned electronics that combine advances to our microwave technology with next generation software to provide improved long range detection of pedestrians moving through a crosswalk area and allowing for extension of the signal call time if necessary. 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 signal call time, giving those pedestrians additional time to safely exit the crosswalk.

The new SmartWalk XM is also used to control warning lights at trail crossings, allowing them to only flash when the Smartwalk XM detects pedestrians in its targeted area. This increases the effectiveness of the warning lights because they are only flashing when a pedestrian is present. This also makes it perfect for solar powered applications.

The new Smartwalk XM can be used as a standalone device or in combination with the new SmartWalk XP to complete the MS SEDCO Crosswalk Activation and Occupancy Sensor System. This system, the only of its kind, provides increased pedestrian safety by activating the crosswalk signal (XP) and detecting pedestrians in the crosswalk area (XM) with no special action required by the pedestrian!

SPECIFICATIONS

Model Number	SmartWalk XM
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 to 24 V AC or DC ± 10%
Power Consumption	1W maximum
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
Operating Temperature	-22°F to 158°F (-30°C to 70°C)
Physical Dimensions	4"W x 4"H x 7"L
Enclosure	Powder coated aluminum
Weight	4 lbs.

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8701 Castle Park Drive • Indianapolis, Indiana 46256 • Phone: (800) 842-2545 / (317) 842-2545 • Fax: (800) 849-3387 / (317) 849-3387