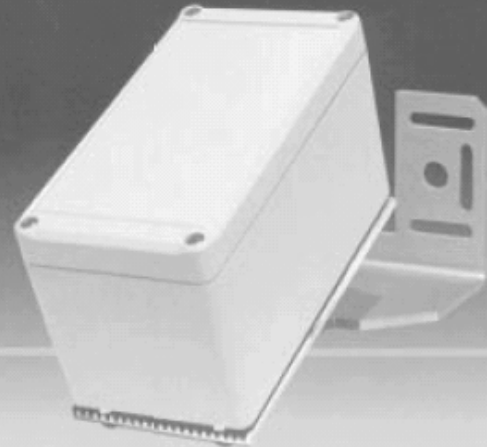


SMART WALK

PEDESTRIAN DETECTORS



Using MICRO-MOTION™ technology, the SmartWalk™ 1400 and the SmartWalk™ 1800 provide reliable, stable and vandal-resistant detection of pedestrians, both at the curbside (Model 1400) and in the crosswalk (Model 1800).

Background

Microwave (Doppler radar) sensors are unsurpassed for the reliable detection of pedestrians in motion. However, for curbside and crosswalk pedestrian detection, pedestrians are often not moving enough to be continuously detected by conventional microwave devices. Therefore, other pedestrian detection technologies have often been employed, including infrared and ultrasonic. However, these technologies have their drawbacks as well, including susceptibility to background noise, temperature variation, and color variation. The result has been that, until now, traffic engineers have had to make uncomfortable performance compromises.

With the introduction of MICRO-MOTION technology (patent pending), MS Sedco has revolutionized pedestrian detection. With MICRO-MOTION technology, even the smallest of pedestrian movements is sufficient to maintain detection. While not true presence detection, MICRO-MOTION technology provides reliable detection of very small movements while eliminating performance variations caused by changing temperature, color variations, or background noise.

Product Operation

The SmartWalk 1400 and the SmartWalk 1800 have both been certified by the FCC for safe operation in any outdoor environment. Both feature state-of-the-art microprocessor control, for long-term stability and reliability (a one year warranty is standard). For both units, initial prototypes have been in continuous, successful operation since May 1997.

Both models are easy to install, adjust and maintain. Mounting is usually accomplished using poles already in place. Mounting heights can be up to 12 feet, depending on how far the pole is from the target detection area. Power input is 12V to 24V AC or DC.

For the 1400, the user can easily adjust range, MICRO-MOTION sensitivity, and the minimum time a pedestrian must be in the pattern before detection is registered. This last feature allows pedestrians to "pass through" the detection zone without issuing a call unnecessarily. For the 1800, the user selects whether the unit detects only approaching motion, or motion in both directions.

Set-up is easily accomplished, using LEDs for installer feedback.

Both models have a weatherproof housing of ABS plastic, for long-term outdoor performance. Electrical connections are made quickly and easily.

