



# DATA SHEET

## *microStar™*

### Motion Sensor with HPR™

#### **PRODUCT NAME**

microStar™

#### **PRODUCT DESCRIPTION**

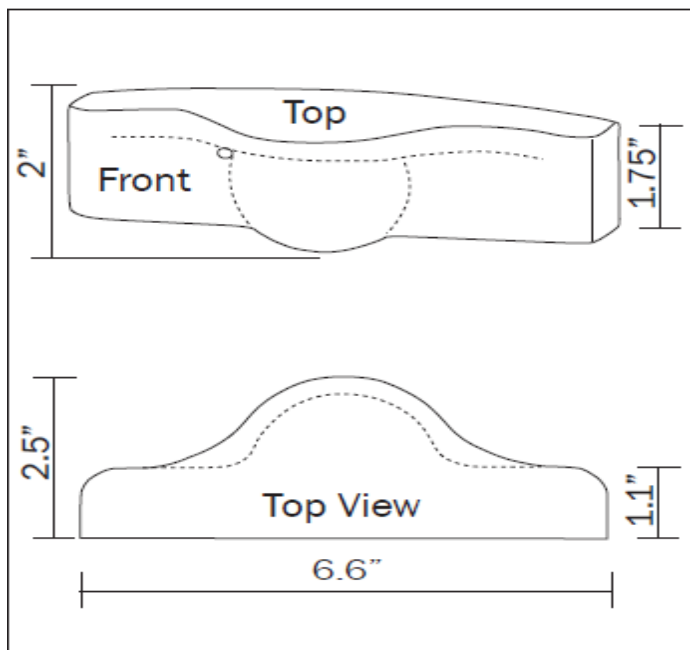
The microStar is a surface-mount microwave motion sensor with Human Presence Radar™ (HPR™), used for activating all types of automatic doors. The microStar provides a reliable activation zone to help ensure unparalleled detection of slow moving pedestrians.

Like other conventional microwave sensors, the microStar utilizes Doppler shift radar to detect motion of at least 2" per second. However, after initial detection, the microStar Human Presence Radar™ (HPR™) is enabled. This second level of detection can sense motion down to ¼" per second. With HPR™ enabled, persons that are virtually standing still will continue to be detected anywhere in the microwave pattern. Since conventional Doppler shift radar must initially activate the door before enabling HPR™, there is little to no chance for false activation or "ghosting".

Key benefits and features of the microStar include:

- Easy installation and adjustment.
- "installation mode" - Allows installer to set and walk-test the detection area without physically activating the door.
- Narrow & wide pattern selection
- Fail-safe configuration capable
- Detection of approaching only or approaching & departing persons
- Compatible with all brands of automatic door openers.

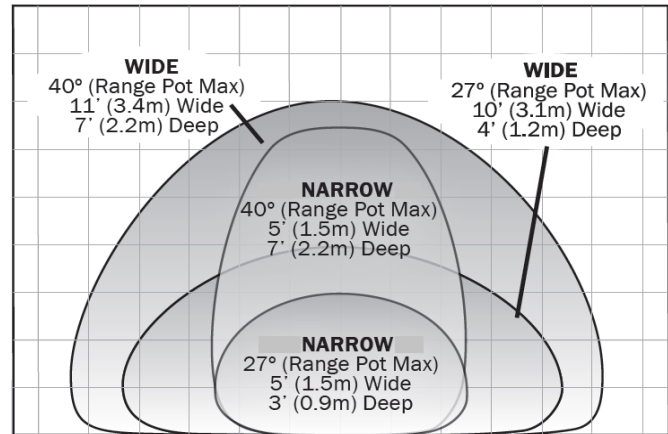
#### **DIMENSIONS**



**SPECIFICATIONS**

Model	microStar™
Input Power	12-24V AC/DC ± 10%
Power Consumption	3.5 W Maximum
Output Contacts	Form C, Rated at 1 Amp
Output Hold Time	Max. 5 Seconds
Temperature Rating	-22°F to 158°F (-130°C to 70°C)
Weight	<1 lb.
Microwave Frequency	24.125 GHz ± 50 MHz
Max. Mounting Height	15 feet (4.6 meters)
Color	Flat Black Cover
Material	ABS Plastic Cover & Base
Compliance	FCC Part 15, ANSI A156.10

**DETECTION PATTERN**



**APPLICATIONS**

The microStar™ microwave motion sensor easily installs on door frames or automatic door headers 1 ¾” or taller. Detection pattern can be adjusted by rotating the detection antenna to select Narrow or Wide orientation. The microStar is commonly used for the activation of automatic pedestrian doors. It can be used for primary activation for automatic swinging, bi-folding, and sliding doors, as well as automatic revolving doors. Additionally, the sensor can be used for secondary activation as defined by ANSI A156.10.

**RELATED MS SEDCO PRODUCTS**



**MSRC**  
microStar Rain Cover



**MS-BDB**  
microStar Mounting Bracket

**WARRANTY**

MS Sedco door sensor products are warrantied for 3 years from date of purchase.

**COMPANY CONTACT**

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