

ID20 Industrial Door Microwave Motion Sensor



Product Name

ID20 Industrial Door Microwave Motion Sensor

Manufacturer

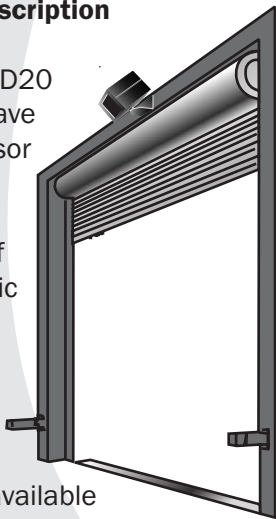
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Product Description

BASIC USE

The Model ID20 is a microwave motion sensor designed to trigger the operation of an automatic industrial door. The main advantage of the ID20 over other available motion sensors is that it responds to traffic in only one direction. When used in doorways with two-way traffic, the ID20 allows the door to close sooner by sensing only approaching traffic,



providing more efficient and economical door operation. The ID20 generates a very low power microwave beam aimed to cover the same area normally covered by one or more loop detectors. It is less expensive to install and less susceptible to damage and malfunction from ice, salt and heavy vehicular traffic.

The ID20 has an approximate maximum pattern size of 18.5 feet wide by 60 feet deep. The pattern is adjustable by turning the range potentiometer mounted on the PC board and aiming the unit.

The ID20 operates on much the same principle as police radar. The unit transmits a low power microwave signal, some of which is reflected back by a moving target such as a forklift or truck. The larger the vehicle, the greater the energy reflected, and the greater the potential detection range. Microwave signals have the added advantage of being unaffected by air motion, temperature and humidity changes, or high frequency sounds.

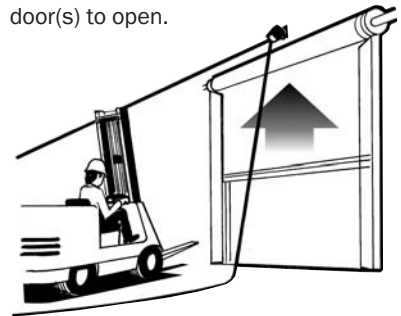
Technical Data

- Hands-free door control
- Replaces loops either temporarily or permanently
- Heavy-duty, weather-proof enclosure
- Easy to set-up and install
- Long range (up to 60 feet)
- Outdoor and/or indoor use
- Responds to motion in only one

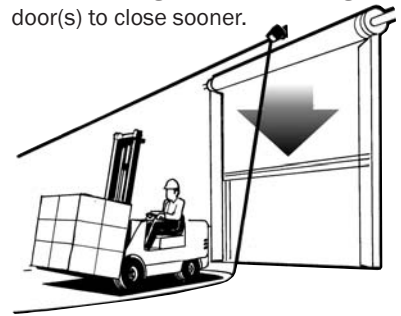
direction

- Use Safety Beams or Safety Sensors Where Appropriate
- Reduces door repair costs
- Hold-open time delay (0.5 to 5 seconds)

Approaching traffic enters the detection zone. The ID20 signals the door(s) to open.



Departing traffic clears the hold open beam. The ID20 ignores departing traffic entering its zone, allowing the door(s) to close sooner.



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SPECIFICATIONS

<i>Model</i>	ID20
<i>Operating Frequency</i>	10.525 GHz
<i>Detection Method</i>	Doppler Shift Microwave
<i>Detection Pattern</i>	Adjustable
<i>Detection Angle</i>	Adjustable
<i>Response Time</i>	0.25 seconds
<i>Hold Time</i>	0.5 to 5 seconds, adjustable
<i>Power</i>	12V to 24V AC or DC
<i>Current Consumption</i>	0.25 amps
<i>Relay Contacts</i>	Form C, rated at 1 amp
<i>Mounting</i>	Heavy-duty metal bracket with lockset
<i>Enclosure/Finish</i>	Black powder coated aluminum
<i>Temperature</i>	-35°F to 165°F (-37°C to 74°C)
<i>Physical Dimensions</i>	4"H x 4"W x 7"D
<i>Weight</i>	4 lbs.

APPROVALS

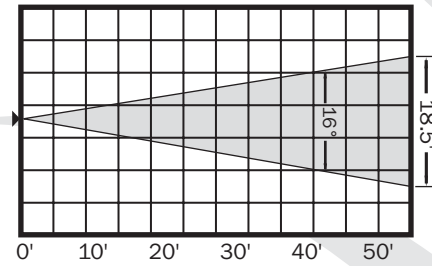
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Installation

SETUP AND ADJUSTMENT

The ID20 Industrial Door Activator's pattern is adjustable by turning the range potentiometer mounted on the PC board and aiming the unit.

COVERAGE PATTERN



Detection pattern is approximately 18.5 feet wide by 60 feet deep.

(This detection pattern is approximate and will vary slightly. Walk-test the unit to assure the pattern desired.)

Availability & Cost

AVAILABILITY

Available internationally from manufacturer's authorized distributors; contact MS Sedco for the location of nearest distributor.

COST

Cost information on MS Sedco products is available from the manufacturer's authorized distributors.

Warranty

A one year warranty is available from the manufacturer covering defects in materials and workmanship. Contact MS Sedco for details.

Maintenance

MS Sedco recommends that all maintenance and adjustments be performed by a Certified Technician.

Technical Services

MS Sedco's staff of factory trained sales and service personnel offer design assistance and technical support. Local distributors are also available to assist in selecting appropriate devices for specific uses and to provide onsite installation.

Filing Systems

- Sweet's
- Additional product information is available from the manufacturer upon request.

DIMENSIONS

