Product Name
SafePath™ ID20
Long Range Industrial Door Microwave Motion Sensor

Contact Information
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Product Description
BASIC USE
The SafePath™ ID20 is a long range microwave motion sensor designed to provide activation for industrial doors.

Microwave technology allows the ID20 to only detect motion in one direction (approach-only or depart-only) resulting in more efficient and economical door operation. It is capable of detecting larger objects, such as fork trucks up to 60 ft. away. The ID20 can be mounted up to 20 ft. off the floor and has a maximum pattern size approximately 18 ft. wide at 60 ft. from the unit. The pattern is adjustable by turning a range potentiometer and aiming the unit. A speed selectable switch makes the ID20 capable of detecting pedestrians and/or vehicles.

The ID20 is unaffected by air motion, temperature, humidity, color or background variations. It is less expensive to install than loop detectors and is not susceptible to damage or malfunction from ice, salt and heavy vehicular traffic.

Technical Data
• Hands-free door activation
• Replaces loop detectors
• Heavy-duty, weather-proof aluminum enclosure
• Easy to set-up and install
• Long range (up to 60 feet)
• Outdoor/indoor use
• Responds to motion in only one direction—approach only or depart only
• Mounts up to 20 ft. high
• Use Safety Beams or Safety Sensors Where Appropriate
• Hold-open time delay (0.5 to 5 seconds)
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SPECIFICATIONS
Model  
ID20
Operating Frequency  
10.525 GHz
Detection Method  
Doppler Shift Microwave
Detection Pattern  
Adjustable
Detection Angle  
Adjustable
Directionality  
Switch Selectable—Approach Only or Depart Only
Response Time  
0.25 seconds
Speed Detection  
Switch Selectable >1 mph or >3 mph
Hold Time  
0.5 to 5 seconds, adjustable
Power  
12V to 24V AC or DC
Current Consumption  
0.10 amps
Relay Contacts  
Form C, rated at 3 amps
Mounting  
Heavy-duty metal bracket with lockset
Enclosure/Finish  
Black powder coated aluminum
Temperature  
-35°F to 165°F (-37°C to 74°C)
Physical Dimensions  
4"H x 4"W x 7"D
Weight  
4 lbs.

Installations
SETUP AND ADJUSTMENT
The ID20 Industrial Door Sensor's pattern is adjustable by turning the range potentiometer mounted on the PC board and aiming the unit.

TYPICAL PATTERN DIAGRAM
Mounting Height: 12 ft.
Tip Angle: 16°

Detection pattern is approximately 18 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 qualified 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.

DIMENSIONS