

IS40/IS40XL INDUSTRIAL

The proven technology
of the Falcon plus active
infrared presence detection



**Innovation
Quality
Service**

Proven Technologies

Active infrared and microwave technologies work together to provide precise presence and accurate motion detection in front of the door.

Superior Coverage

With up to 40 spots of infrared detection, the standard IS40 can be mounted from 8 ft – 16 ft.

The IS40XL should be used for applications with mounting heights from 6.5 ft – 11.5 ft where a wider microwave pattern is desired.

Durability Under Harsh Conditions

The IS40 and IS40XL are immune to subtle door vibrations, light, sun and environmental changes, including rain and snow.

The IS40 and IS40XL are designed with NEMA 4 and IP65 rated enclosures.

Minimal Installation and Maintenance

Labor-intensive induction loops are replaced with an easy to mount overhead installation. Most adjustments can be performed using the BEA remote control.

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A HALMA COMPANY



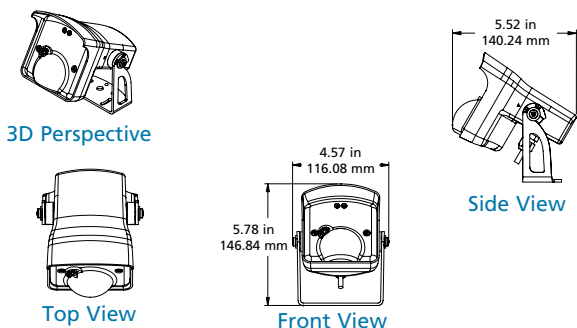
AADM Member
American Association of
Automatic Door Manufacturers

IDA
International Door Association

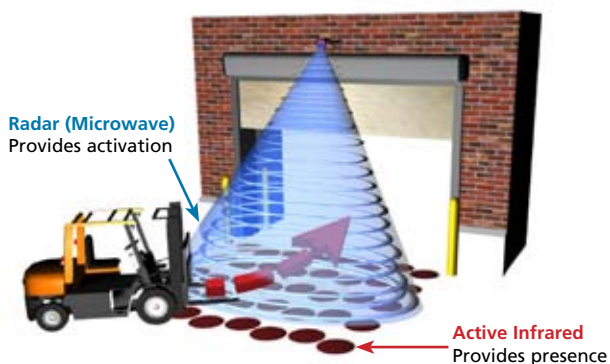
Member
DASMA
Door & Access Systems
Manufacturers Association
International

BEA
INDUSTRIAL

DIMENSIONAL DRAWINGS

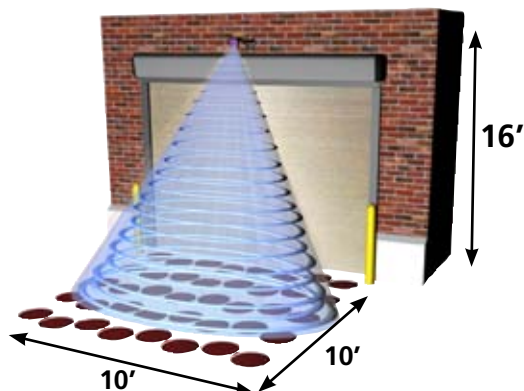


APPLICATIONS

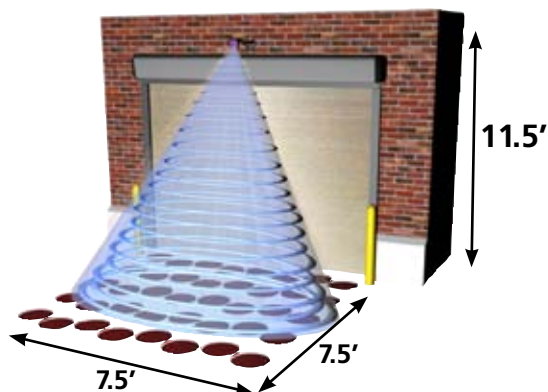


IS40 DUAL TECHNOLOGY

Detects both objects in **motion** and objects at **rest**



IS40 ADJUSTABLE MOUNTING HEIGHTS FROM 11.5 ft – 16 ft



IS40XL ADJUSTABLE MOUNTING HEIGHTS FROM 6.5 ft – 11.5 ft

TECHNICAL SPECS

TECHNOLOGY	
MICROWAVE	INFRARED
DETECTION MODE	
MOTION	PRESENCE
OUTPUT HOLD TIME	
0.5 – 9 seconds	0.5 seconds
REACTION TIME	
100 ms	250 ms
TILT ANGLE	
-8° to 22°	15° to 45°
<i>(relative to front face of sensor)</i>	
LED INDICATOR	
Green (motion)	Red (presence)
RADIATED FREQUENCY	
24.175 GHz	875 nm
RADIATED POWER DENSITY	
< 5 mW/cm²	< 250 mW/m²
MINIMUM TARGET SPEED	
2 in/s (5 cm/s)	0 in/s (0 cm/s)
<i>(in sensor axis)</i>	

MOUNTING HEIGHT
IS40: 8' – 16' / IS40XL: 6.5' – 11.5'

LEARN TIME
30 seconds to infinity (no learn)

MICROWAVE DETECTION FIELD (W x D)
IS40: 13' x 16' / IS40XL: 13' x 6.5'

INFRARED DETECTION FIELD
IS40: Up to 10' x 10'
IS40XL: Up to 7.5' x 7.5'

SUPPLY VOLTAGE
12 to 24 VAC ± 10%
12 to 24 VDC +30% / -5%

MAIN FREQUENCY
50 to 60 Hz

POWER CONSUMPTION
< 3.5 W

RELAY OUTPUT
2 Relays with switch-over
contact (voltage free)

MAX. VOLTAGE
60 VDC / 125 VAC

MAX. CURRENT
1 A (resistive)

MAX. SWITCHING POWER
30 W (DC) / 60 VA (AC)

TEMPERATURE RANGE
-22°F to 140°F (-30°C to 60°C)

PROTECTION DEGREE
NEMA 4 & IP65

NORM CONFORMITY
Electromagnetic compatibility
(EMC) according to
2004/108/EEC, R&TTE: 1999/5/EC

DIMENSIONS (DxWxH)
5 in x 4 in x 3.75 in

ENCLOSURE MATERIAL / COLOR
ABS / Black

FACE MATERIAL / COLOR
Polycarbonate / Purple

CABLE LENGTH
32 ft (10 m)

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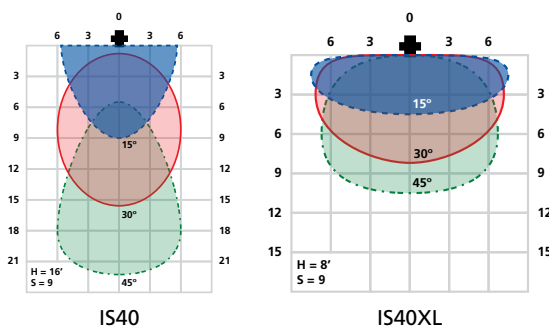
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IS40/IS40XL COMPONENTS



- 1 Infrared Lens
- 2 Microwave Antenna
- 3 Microwave Field Adjustment
- 4 LED Indicators
- 5 Sensor Angle Adjustment

IS40/IS40XL MICROWAVE ZONES



RELATED PRODUCTS



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