



ACTIVE INFRARED PRESENCE DETECTION

IS40/IS40XL

MOTION SENSOR



PROVENTECHNOLOGY

- 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

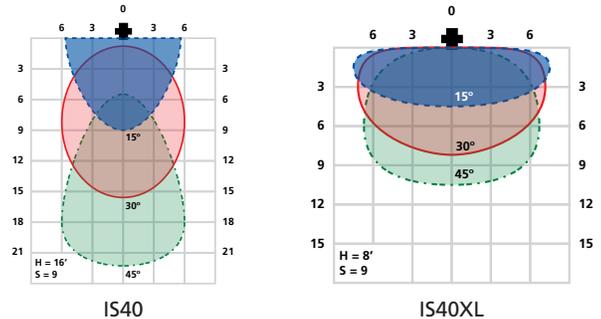
- The IS40 and IS40xl are immune to subtle door vibrations, light, sun and environmental changes, including rain and snow.
- The IS40 and IS40xl are designed with NEMA 4 and IP65 rated enclosures.

MINIMAL INSTRUCTION AND MAINTENENCE

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



IS40/IS40XL MICROWAVE ZONES



RELATED PRODUCTS



INDUSTRIAL

The proven technology of the Falcon plus active infrared presence detection

International Door Closers, Inc.

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West: 800-544-4422 • East: 800-225-6737

www.intldoorclosers.com

SPECIFICATIONS

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°*
(relative to front face of sensor)

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)*
(in sensor axis)

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

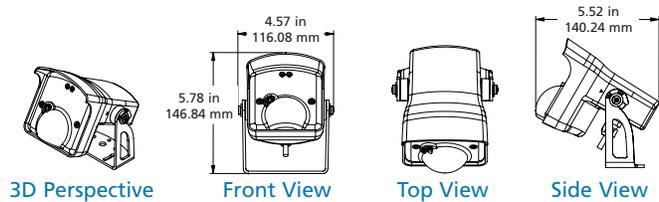
FACE MATERIAL / COLOR

Polycarbonate / Purple

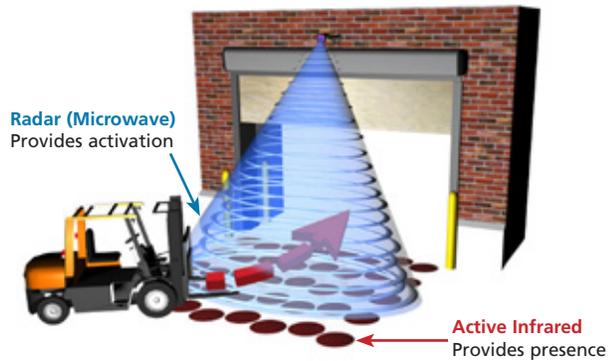
CABLE LENGTH

32 ft (10 m)

DIMENSIONAL DRAWINGS

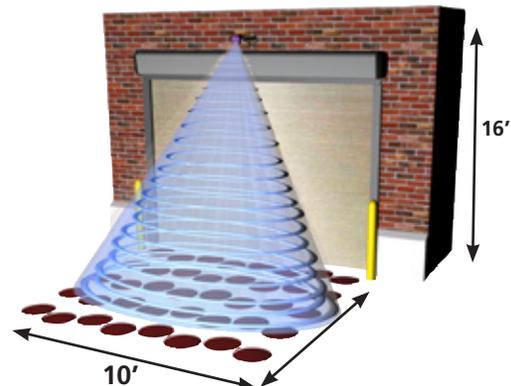


APPLICATIONS

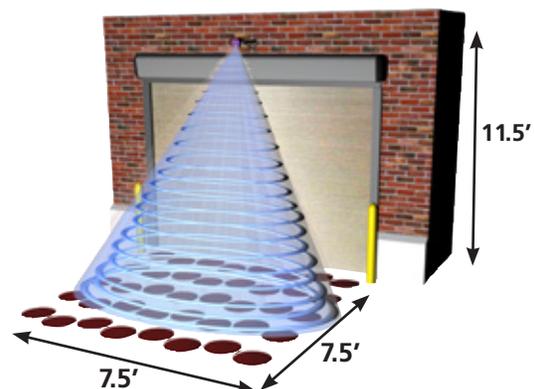


IS40 DUAL TECHNOLOGY

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

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