IS40P

PRESENCE SENSOR WITH VIRTUAL LOOP FUNCTIONALITY

DASMA. Member — Door & Access Systems Manufacturers Association International

FCC

IDA International Door Association — Enhancing the Value and Professionalism of Door & Access Systems Dealers

NEMA 4 RATED ENCLOSURE

PRIMARY APPLICATIONS

DESCRIPTION

BEA's IS40P is an infrared presence sensor designed for use in industrial applications. This sensor utilizes 40 active infrared spots for reliable presence detection.

The IS40P is ideal for use on automatic industrial doors, vehicle gates/barriers, loading docks and other applications where presence detection is required. It can be mounted from 96 to 192 inches (8 ft – 16 ft) to fit most industrial applications.

Its rugged NEMA 4 rated enclosure will withstand harsh environments and is capable of preventing damage caused by dust, rain and hose-directed water.

FEATURES & BENEFITS

- Nine unique infrared patterns capable of highly flexible presence detection in any industrial environment

- Up to seven object target sizes

- Remote control programming enables user to quickly and safely make changes from the ground (sold separately)

- Adjustable infrared immunity modes mitigate environmental disturbances such as subtle door vibrations, light and sun

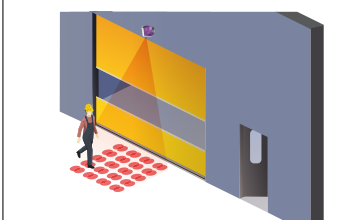- Adjustable learn time option of 30 seconds to infinity (no learn)
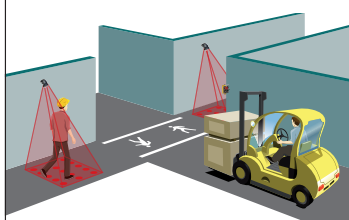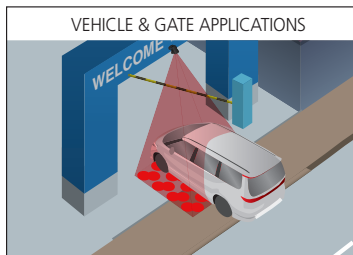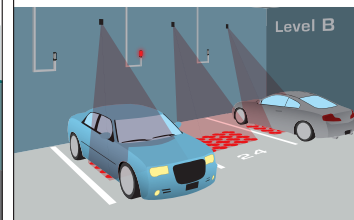
APPLICATIONS

LARGE PRESENCE DETECTION FIELD
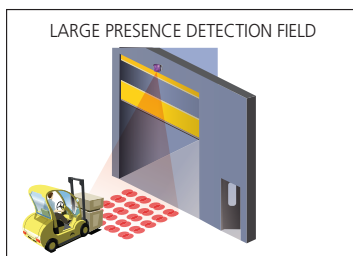
PEDESTRIAN CROSS TRAFFIC REJECTION

WAREHOUSE TRAFFIC SIGNALING

PRESENCE DETECTION FOR PARKING

Level B

VEHICLE & GATE APPLICATIONS

WELCOME

TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence
Mains Frequency	50 – 60 Hz
Power Consumption	< 3.5 W
Relay Output	2 Relays (free of potential change-over contact)
Max. Contact Voltage Max. Contact Current Max. Switching Power	42 VAC / VDC 1 A (resistive) 30 W (DC) / 48 VA (AC)
Supply Voltage	12 – 24 VAC ±10% 12 – 24 VDC 10% / −3%
Temperature Range	−22 °F – 140 °F
Tilt Angle	15° – 45°
LED Signal	Red (Presence Relay), Green (indicator)
Transmitter Frequency / Wavelength	875 nm
Transmitter Power Density	< 250 mW / m²
Detection Field	10 ft × 10 ft @ max. mounting height of 16 ft (emitting spots*)
Output Hold Time	0.5 s
Min. Detection Speed	0 in / s to activate detection
Reaction Time	250 ms
Mounting Height	96 in – 192 in (8 ft – 16 ft)
Humidity	0 – 95% non-condensing
Weight	14 oz
Dimensions	3.8 in (W) × 4 in (H) × 5 in (D)
Material	ABS & Polycarbonate
Cable Length	32 ft (9.75 m)
Degree of Protection	NEMA 4 / IP65
Norm Conformance	EMC: 2004 / 108 / EEC R&TTE: 1999 / 5 / EC

*Zone detected by Spotfinder, i.e. slightly larger than actual detection field
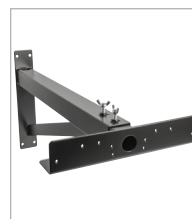
DIMENSIONAL DRAWINGS

5 in

4 in

3.75 in
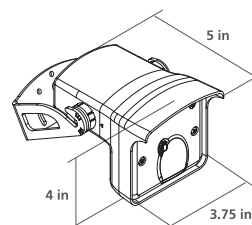
RELATED PRODUCTS

10IS40P
PRESENCE SENSOR

10IS40
MOTION & PRESENCE SENSOR

10IS40XL
EXTRA-LOW MOTION & PRESENCE SENSOR

10INDBRACKET
INDUSTRIAL MOUNTING BRACKET

10MINIBRACKET
SHORT ADJUSTABLE MOUNTING BRACKET

10SPOTFINDER
INFRARED SPOTFINDER

10REMOTE
BEA UNIVERSAL REMOTE CONTROL

IS40P PRESENCE SENSOR WITH VIRTUAL LOOP FUNCTIONALITY

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