Utilizing focused, active infrared technology; the Iris generates two rows of 24 precise beams for extra safety. With the option to inhibit the safety curtain furthest from the door; the Iris can also be used for sidelite protection. Various lenses are available for a customized detection zone to accommodate the need for sidelite protection.

Based on the proven technology of the Wizard sensor; the Iris provides safety in the threshold area throughout the door opening and door closing cycles for sliding doors.

Convenient setup features make installation of the Iris quick and easy; the detection pattern can be programmed in as little as two seconds. All adjustments of the sensor settings can be made using a BEA universal remote control. The sensor can be customized to the specific environment with ceiling mounting capability and wide or narrow detection patterns. A mounting height of up to 13 feet and an infinite learn time feature make the sensor equally well suited for small industrial door applications.

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**APPLICATIONS**

**Threshold Safety for Sliding Door**

The Iris provides optimal safety around the threshold of an automatic sliding door with 2 rows of 24 focused infrared spots. The application above shows the Iris installed, as an additional overhead safety sensor, (as required by the 2005 ANSI 156.10 standard) on an automatic sliding door equipped with an existing double set of beams and a set of motion detectors.

**Sidelite Safety for Sliding Door**

The Iris has the ability to inhibit the safety curtain furthest from the door for sidelite protection. Different lenses are available for a customized detection zone. The application above shows the Wizard installed as a primary detection and safety sensor and the Iris used as a sidelite protection sensor. The IS5L accessory is recommended when the Iris is used for sidelite protection.

**Additional Safety for Swinging Door**

The Iris can be mounted in the ceiling eliminating the need for extra beams at the end of the guide rail.

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**TECHNICAL SPECS**

- **Supply voltage**: 12V (~5%) to 24V (+10%) AC/DC
- **Main frequency**: 50 - 60 Hz
- **Power consumption**: < 3 W
- **Mounting height**: 6'8" TO 13'
- **2-color LED**
- **RED (presence detection)**
- **ORANGE (signal saturation, error)**
- **Temperature range**: -22°F to +131°F
- **Degree of protection**: IP54
- **Norm conformity**: EMC 89/336/EEC
- **Dimensions**: 10.3" (L) x 2.2"(H) x 1.43" (D)
- **Weight**: 8 oz.
- **Housing material**: ABS + LURAN S
- **Minimum length of cable**: 30' (9 m) 9 conductor (10IRIS-I)
- **Range of Remote Control**: 16'
- **Detection mode**: Presence
- **Response time**: < 128ms
- **Technology**: Focused active infrared and self-monitored microprocessor
- **Spot diameter (standard)**: 4" max
- **Number of spots**: 24 or 12 spots by curtain
- **Number of curtains**: 2
- **Detection field**: (@ 7' Ht.)
- **Wide**: 6'6" 13.75"
- **Narrow**: 3'3" 13.75"
- **Angle**: From - 4" to + 4" (adjustable)
- **Output specification Relay**: Max. contact voltage 42V AC/DC
- **Max. contact current**: 1A (resistive)
- **Max. switching power**: 30W (DC) / 60VA (AC)
- **Output hold time**: 1s (fixed)

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**DIMENSIONAL DRAWINGS**

**3D Perspective**

**THRESHOLD SAFETY FOR SLIDING DOOR**

**ADDITIONAL SAFETY FOR SWINGING DOOR**

**APPLICATIONS**

**COMPONENTS**

1. Cable
2. Mounting Screws
3. Manual Set-up Push Buttons
4. Presence Sensor
5. Cover
6. LED Indicator
7. I.R. Remote Receiver
8. Front Lenses

**ACCESSORIES**

**WMB** mounting bracket for ceiling mounting

**WCA** for recessed and concealed application

**Remote Control** for easy and accurate setup of the Iris

**ISL**

3 lenses set (left, center and right) for custom sidelite detection zones

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**CONTACT INFORMATION**

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