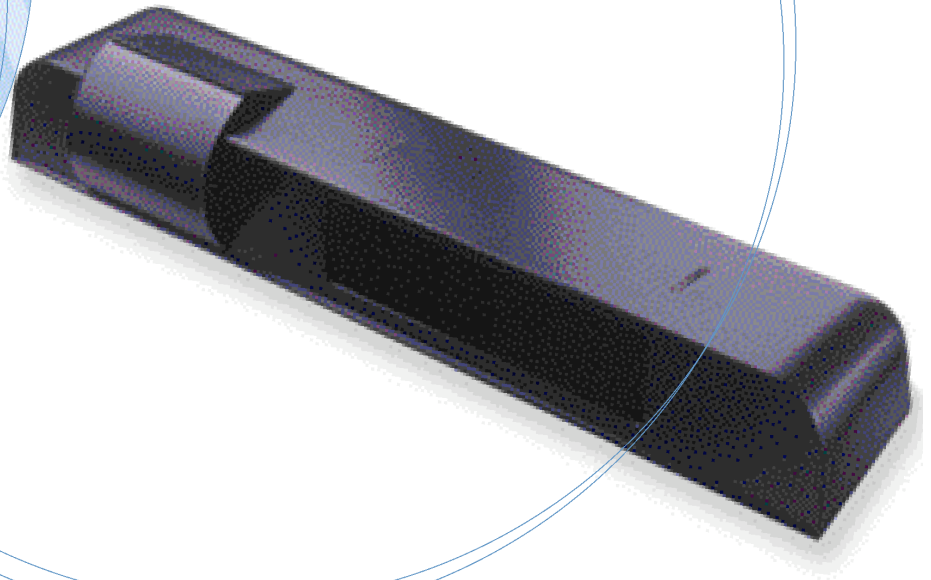


The Wizard

BEA's Motion & Presence Detector for Automatic Doors



BEA's Wizard combines two proven technologies in one single housing: K-Band microwave for activation & focused active infrared for safety.

Meeting* ANSI 156.10 standard, promoting customer safety & potentially reducing your liability.

The Future of Sensors, Now!

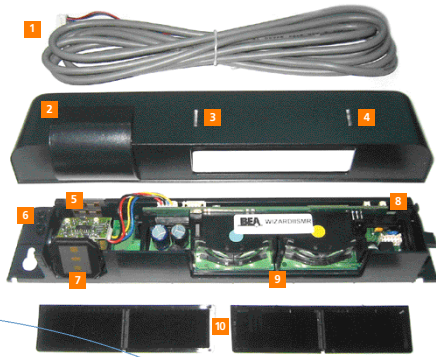
- K-band microwave and focused active infrared technology provides activation and safety for your sliding door:
 - > Proven technology for optimal and safe performance.
- Sophisticated motion tracking technology for unidirectional sensing:
 - > Improved energy conservation.
- 2 rows of 24 beams of focused presence technology (on each side of the door) providing extra-ordinary safety that remains active even while the door is closing:
 - > Optimal safety thus potentially reducing your liability
- Remote control allows easy set-up and adjustment:
 - > Fast and accurate installation.
- New faster adjustable setup time: 2, 6 and 16 seconds
 - > Even faster and more convenient installation.
- Improved immunity for optimized performance with strobe light, camera flash, high frequency light, rain and snow environment:
 - > Even less service calls.

www.beasensors.com

HALMA GROUP
COMPANY



BEA
We open up New Horizons



Wizard Components

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

Contact Information

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 Toll Free 1.877.232.9378

Wizard Technical Specifications

GENERAL CHARACTERISTICS

| | |
|--|--|
| Supply voltage | 12 to 24 VAC / VDC: -5% to +10% |
| Power frequency | 50 / 60 Hz |
| Power consumption | < 3 W |
| Mounting height | Standard 5'9" to 8'2" High 8'2" to 13' |
| SMR data input | 10 to 30 VDC |
| Delay of output activation after stimulation | transistor : < 1ms |
| 3-color LED | RED: presence detection GREEN: motion detection ORANGE: monitoring process |
| Temperature range | -30°F to +131°F |
| Degree of protection | NEMA 3S / (IP54) |
| Product conformity | R&TTE 1999/5/EC & EMC 89/336/EEC BZT Germany |
| Dimensions | 10.4" x 2.2" x 1.9" |
| Weight | .55 lbs / 250 g |
| Housing material | ABS & LURAN 5 |
| Color of Housing | Anthracite gray (standard), aluminum or white finish |
| Cable length | 10' of 9-conductor cable |

MOTION DETECTION

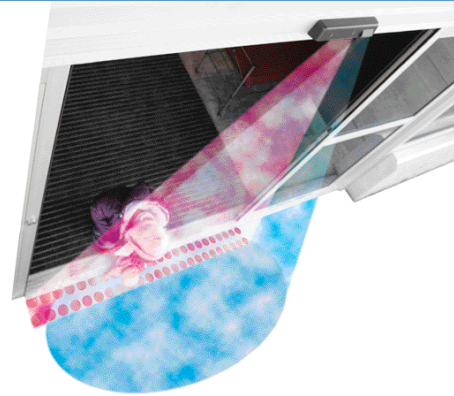
| | |
|----------------------------|--|
| Technology | Microwave and microprocessor |
| Transmitter frequency | 24.125 GHz |
| Transmitter radiated power | <20 dBm EIRP |
| Transmitter power density | < 5 mW/cm |
| Detection field (standard) | Wide field 13'0" W x 6'6" D Narrow field 6'6" W x 8'2" D |
| Detection mode | Min. detection speed of 2 inches / sec. (measured in the sensor axis) |
| Angle : | 15° to 50° in elevation (adjustable) |
| Output specification | Relay (free of potential change-over contact) : Max contact voltage : 42V AC/DC Max contact current : 1A (resistive) Max switching power : 30W (DC) / 60VA (AC) |
| Output hold-time | 0.5s to 9s (adjustable) |
| Manual adjustment | Orientation of sensing field (mechanically) Shape of the sensing field (choice of antenna) Multiple functions (using push buttons). |
| Remote control adjustments | Sensitivity, Hold time, Detection mode, Immunity, Output configuration |

PRESENCE DETECTION

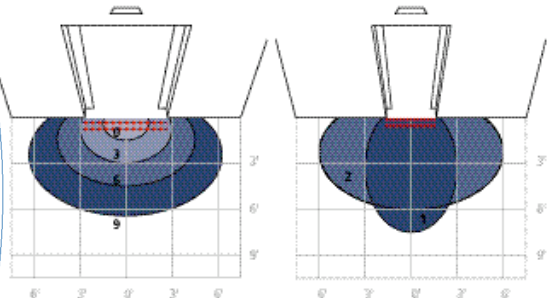
| | |
|----------------------------|---|
| Technology | Focused active infrared & Self-monitored microprocessor |
| Spot diameter (standard) | 4" max |
| Number of spots | 24 or 12 spots by curtain |
| Number of curtains | 2 |
| Detection field (standard) | Wide field 6'6" W x 13.75" D Narrow field 3'3" W x 13.75" D |
| Detection mode | Response time : < 128ms |
| Angle : | From -4° to +4° (adjustable) |
| Output specification | Transistor (optocoupled transistor) Max output current : 100 mA Max switching power : 48 V DC |
| Output hold-time | 1S, Fixed |
| Manual adjustment | Orientation of sensing field Shape of sensing field (choice of front lens) Multiple functions (by push buttons). |
| Remote control adjustments | Sensitivity, Auto-learn time, Monitoring mode, Number of Curtains, Relay / Transistor configuration, Rain Mode, Snow Mode |

Wizard Application

The Wizard will provide optimal safety in the threshold area with two rows of 24 focused infrared spots (red) while insuring accurate detection in front of the door with K-Band microwave technology (blue).



Wizard Sensing Fields



Radar sensing fields in accordance with sensitivity settings
 (tilt angle 27° with wide antenna)
Safety curtain
 (tilt angle 0° with wide lens cover)

Radar sensing fields in accordance with type of antenna
 (narrow (1) and wide (2) antenna)
Safety curtain
 (tilt angle 4° with narrow lens cover)

Wizard Accessories



Remote Control
 for easy and accurate setup of the Wizard



Spotfinder
 for precise positioning of the infrared curtains in front of the door

WCA
 for recessed and concealed application