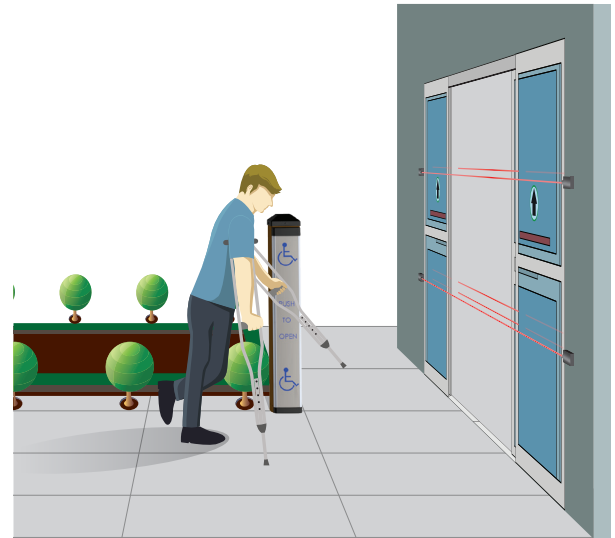


MICROCELL

PHOTO BEAMS FOR AUTOMATIC DOOR SAFETY



PRIMARY APPLICATIONS



DESCRIPTION

BEA's Microcell is designed to provide safety on automatic doors. The easy to install Microcell can be used on sliding doors to protect thresholds or on swinging doors to provide swing side protection on guiderails, meeting ANSI 156.10 section 8.2 (when used with overhead presence sensor detection).

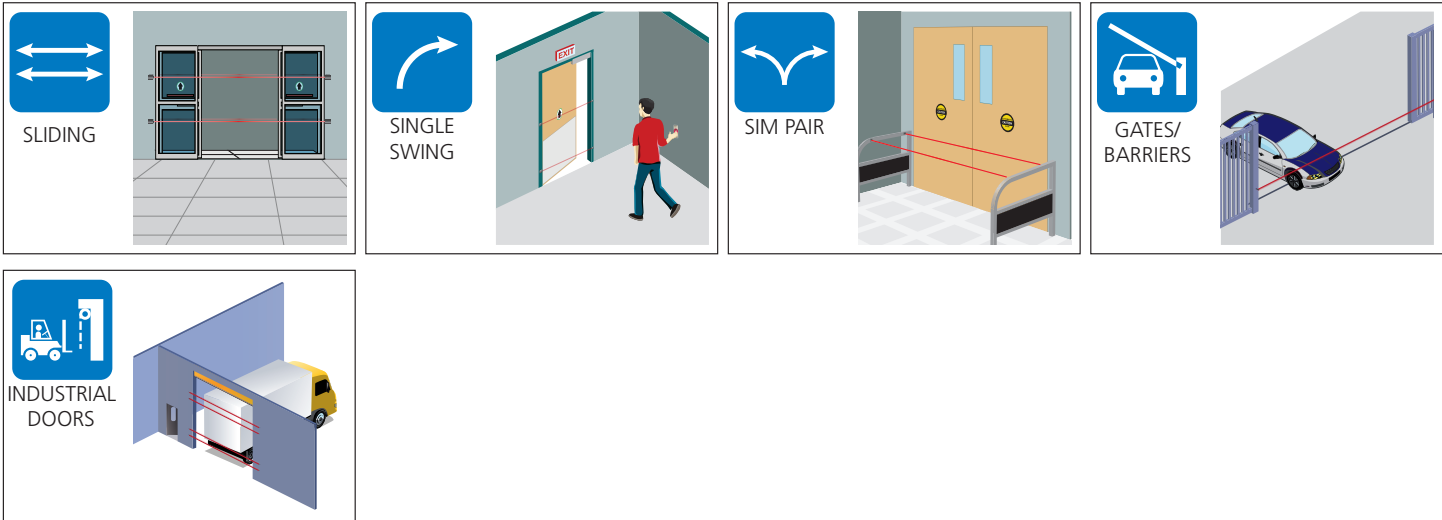
The Microcell is designed to work with all door manufacturers. Small, self-contained beams fit easily into 1/2" pre-drilled holes and require single wire connection on each side. LED indicators on the back of the beams signal proper alignment, further adding to the ease of installation.

The Microcell is available either in a single or double beam version with an optional 10 m cable.

FEATURES & BENEFITS

- Easy installation on pedestrian and industrial doors
- LED indicators for detection alignment and other troubleshooting issues
- Can be mounted as low as 12 inches from the floor
- Maximum range of detection of 197 inches, with an 8° alignment tolerance
- Relay can be set as normally open or normally closed

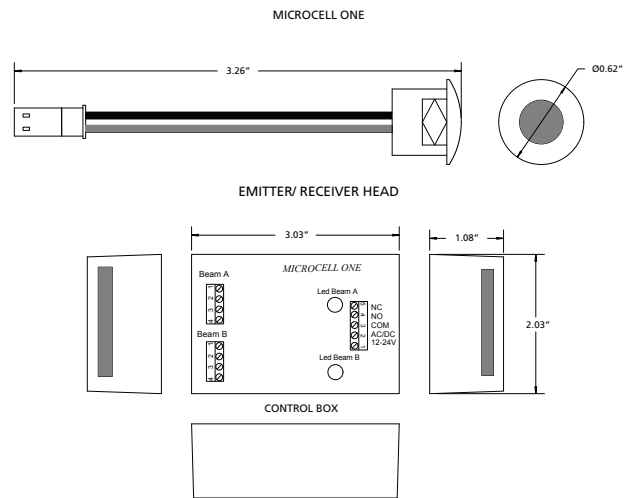
APPLICATIONS



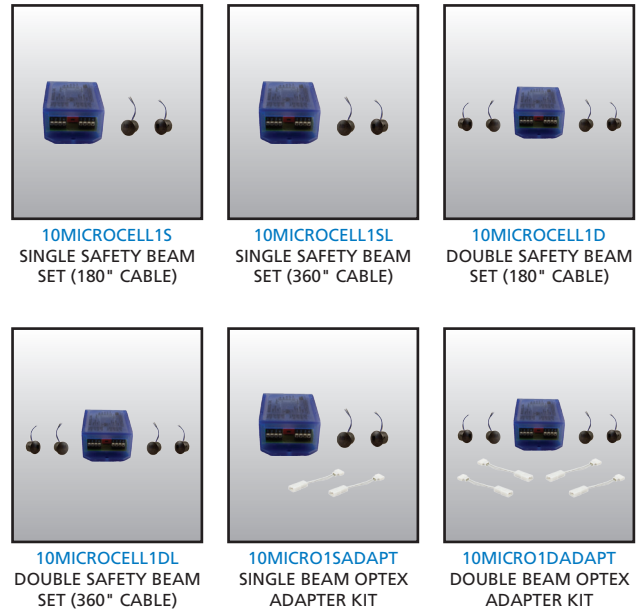
TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence (Beam Interruption)
Min. Mounting Height	8 in above ground
Min. Distance Between Beams	12 in (crossed beams)
Min. Distance from Door Plane	.8 in
Min. Range of Detection	39 in
Max. Range of Detection	197 in when mounted 8 in above ground
Alignment Tolerance	8°
Response Time	≤ 40 ms
Hold Time	300 ms
Supply Voltage	12 to 24 VAC; ±10% 12 to 24 VDC; -5% / +30%
Current Consumption	< 100 mA
Output	Open collector transistor (NPN or PNP)
Max. Voltage	30 VDC
Max. Current	20 mA
Voltage Drop	< 2 V @ 20 mA
Signal	1 LED per Barrier
Adjustment (via DIP Switch)	Single / Double barrier Standard / Inverted outputs Reduced / Nominal range Test position
Operating Temperature	-4°F to 131°F
Immunity	
Sunlight	75,000 lux
Incandescent Lamp	25,000 lux @ 8° angle
Electromagnetic Compatibility	According to 89/336/EEC
Dimensions	
Head Housing (H x ø)	0.4 in x 0.5 in
Head Collar (ø)	0.6 in
Control Box (L x W x H)	3.7 in x 2.05 in x 1.1 in
Cable Length	196 in; 393 in optional
Material	ABS
Housing Color	Sensors: black Control box: blue transparent

DIMENSIONAL DRAWINGS



PRODUCT FAMILY



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MICROCELL PHOTO BEAMS FOR AUTOMATIC DOOR SAFETY

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