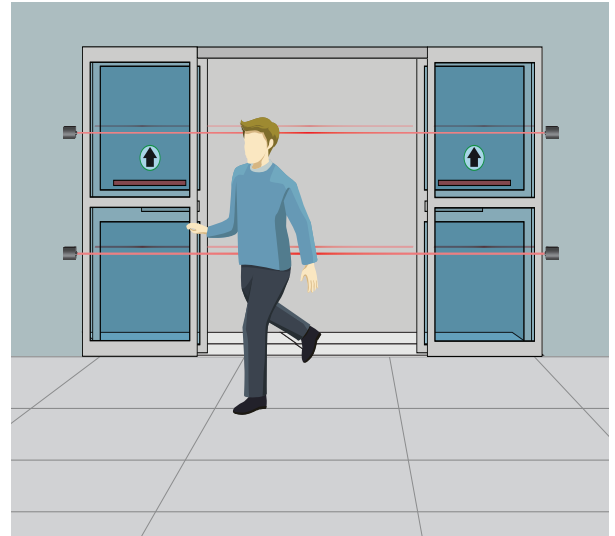


MICROCELL

PHOTO BEAMS FOR PEDESTRIAN AUTOMATIC DOORS



PRIMARY APPLICATIONS



DESCRIPTION

BEA's Microcell is designed to provide safety for automatic sliding door thresholds and swing door guiderails.

The Microcell is a compact, self-contained system of beams that fits easily into 1/2 inch pre-drilled holes and requires a single wire connection on each side.

The Microcell is available either in a single or double beam version with an optional 32 foot cable.

FEATURES & BENEFITS

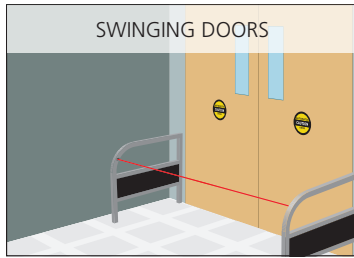
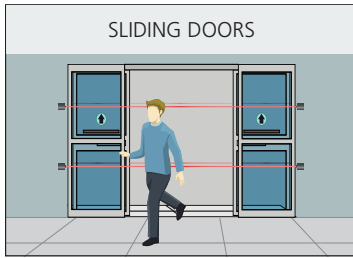
- Easy installation on all types of pedestrian doors
- Can be mounted as low as 12 inches from the floor
- Maximum range of detection of 180 inches, with an 8° alignment tolerance
- Beam heads are NEMA 4 / IP65 rated to withstand harsh environments
- Relay can be set as normally open or normally closed



BEA, Inc.
RIDC Park West
100 Enterprise Drive
Pittsburgh, PA 15275-1213

Customer Service: 800.523.2462
Technical Support: 800.407.4545
www.BEAinc.com

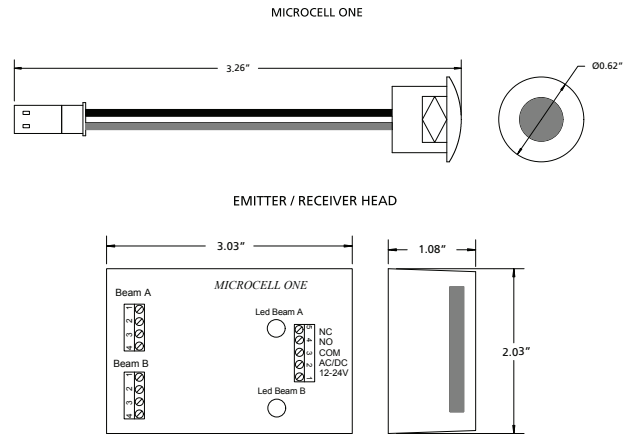
APPLICATIONS



TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence (Beam Interruption)
Min. Mounting Height	12 in above ground
Min. Distance Between Beams	12 in (crossed beams)
Min. Range of Detection	36 in
Max. Range of Detection	180 in
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 Contact Rating	1 Relay (NC/NO contacts)
Max. Contact Voltage	50 V AC/DC
Max. Contact Current	1 A
Max. Switching Power	< 2 V @ 20 mA
Signal	1 LED per Barrier
Adjustment (via DIP Switch)	Single / Double beams Standard / Inverted outputs Reduced / Reduced range Test / Default
Operating Temperature	-30°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	18 ft (standard) 32 ft (optional)
Material	ABS
Housing Color	
Sensors	Black
Control Box	Blue transparent
Degree of Protection	NEMA 4 / IP65

DIMENSIONAL DRAWINGS



RELATED PRODUCTS



10MICROCELL1S
SINGLE SAFETY BEAM
SET (18 FT CABLE)



10MICROCELL1SL
SINGLE SAFETY BEAM
SET (32 FT CABLE)



10MICROCELL1D
DOUBLE SAFETY BEAM
SET (18 FT CABLE)



10MICROCELL1DL
DOUBLE SAFETY BEAM
SET (32 FT CABLE)



10MICRO1SADAPT
SINGLE BEAM OPTEX
ADAPTER KIT



10MICRO1DADAPT
DOUBLE BEAM OPTEX
ADAPTER KIT



10MICROCELL1DL
DOUBLE SAFETY BEAM
SET (32 FT CABLE)

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