



MICROCELL

PHOTO BEAMS FOR
PEDESTRIAN AUTOMATIC DOORS

PRODUCT



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TECHNOLOGY

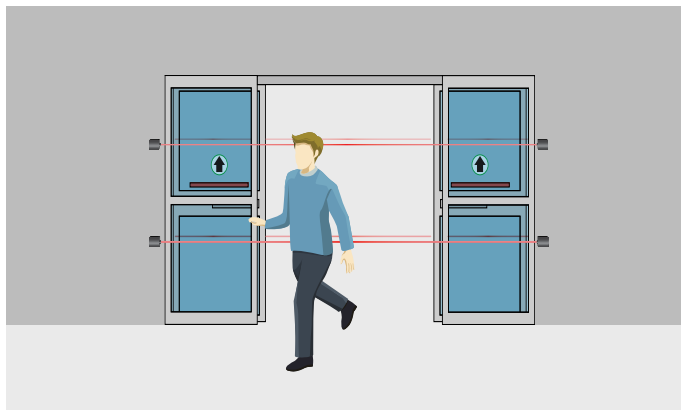


DESCRIPTION

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 ½ 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.



Enhanced Safety On Pedestrian Doors

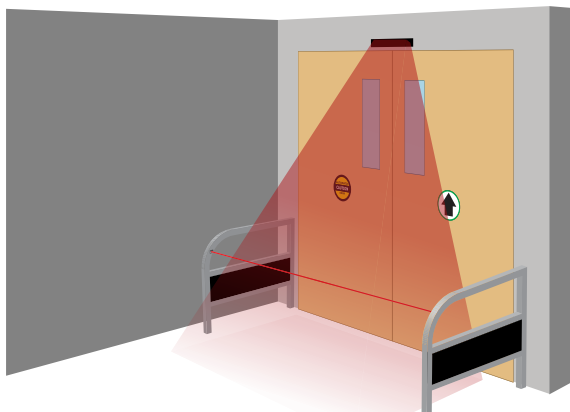
Easy installation on all types of pedestrian doors

User-Friendly Setup

LED indicators assist in setting up alignment

Standard Compliant

Can be mounted as low as 12 inches from the floor



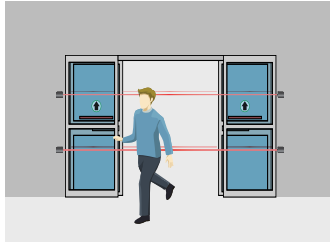
Ideal For Wide Doors

Maximum range of detection of 15 feet with an 8° alignment tolerance

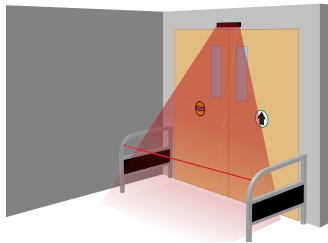
Compatible With BEA's BODYGUARD-T

Capable of meeting ANSI 156.10 standard for swing door safety when paired with BEA's BODYGUARD-T

APPLICATIONS



Sliding Doors



Swinging Doors

TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence (Beam Interruption)
Min. Mounting Height	12" from floor
Min. Distance Between Beams	12" (crossed beams)
Min. Range of Detection	3'
Max. Range of Detection	15'
Alignment Tolerance	8°
Response Time	≤ 40 ms
Hold Time	300 ms
Supply Voltage	12 – 24 VAC; ±10% 12 – 24 VDC; -5% / 30%
Current Consumption	< 100 mA
Output Contact Rating	1 Relay (NC / NO contacts)
Max. Contact Voltage	50 VAC / VDC
Max. Contact Current	1 A
Max. Switching Power	30 W (DC) / 60 VA (AC)
Operating Temperature	-30 – 131 °F
Immunity	
Sunlight	75,000 lux
Incandescent Lamp	25,000 lux @ 8° angle
Electromagnetic Compatibility	According to 89 / 336 EEC
Dimensions	
Head Body	< 1 ⁵ / ₃₂ " (L embed) × 1 ¹ / ₃₂ " (ø)
Head Harness	5/8" (ø)
Control Board	3 1 ¹ / ₃₂ " (W) × 1 7 ¹ / ₂₅ " (H) × 2 1 ¹ / ₃₂ " (D)
Cable Length	18' (standard) 32' (optional)
Material	ABS
Degree Of Protection	NEMA 4 / IP65 (beam heads)

PRODUCT SERIES

 10MICROCELL1S Single safety beam set (18' cable)	 10MICROCELL1SL Single safety beam set (32' cable)	 10MICROCELL1D Double safety beam set (18' cable)
 10MICROCELL1DL Double safety beam set (32' cable)	 10MICRO1SADAPT Single beam Optex adapter kit	 10MICRO1DADAPT Double beam Optex adapter kit
20.0045	Jamb cap kit with screws	

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