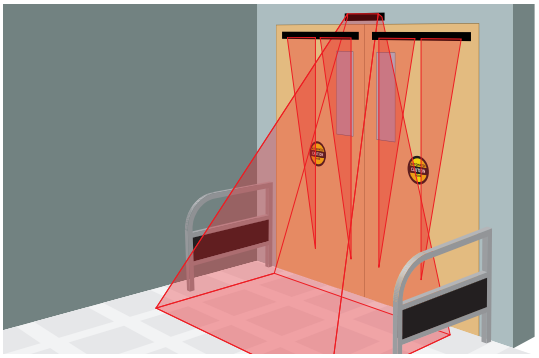
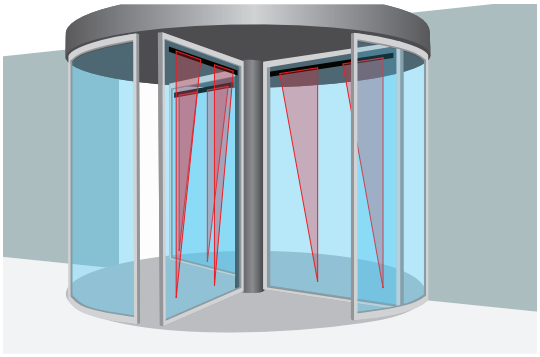
SUPERSCAN-T

DOOR MOUNTED, ACTIVE INFRARED SAFETY SENSOR

PRIMARY APPLICATIONS





DESCRIPTION

BEA's SUPERSCAN-T is a door mounted, active infrared safety sensor designed for use on automatic swinging, revolving, folding and low energy doors.

The SUPERSCAN-T uses triangulation to detect the presence of a pedestrian, while the door is opening and closing.

The SUPERSCAN-T can be used as an individual module or daisy chained with additional slave modules. This flexibility allows the SUPERSCAN-T to be used on both narrow and wide doors. Each module detection zone can be adjusted independently.

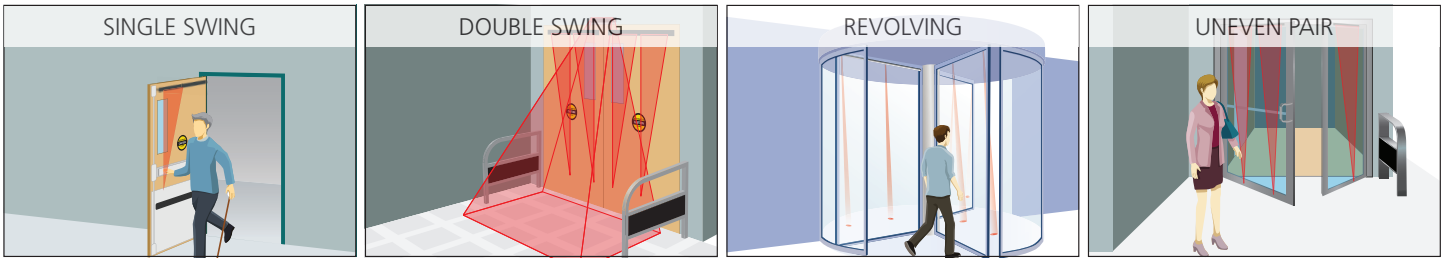
FEATURES & BENEFITS

- Housing available up to 102 inches in length; can be field cut to desired door width
- Capable of meeting ANSI 156.10 standard for swing door safety when coupled with BEA's BODYGUARD-T
- Designed to mount at the top of the door to reduce accidental damage
- Can be set to background analysis mode to reduce the chance of false detection from faulty environmental situations
- Capable of external monitoring
- Fire rated for up to 90 minutes[1]

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

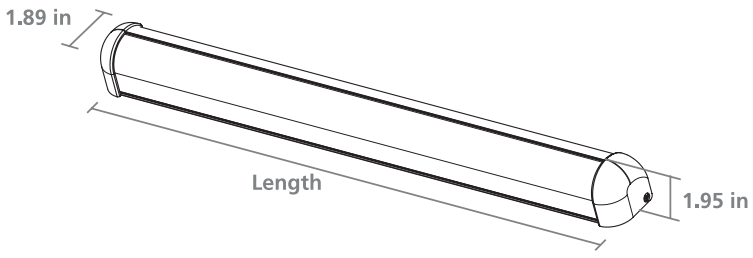
APPLICATIONS



TECHNICAL SPECIFICATIONS

Technology	Active Infrared with background suppression
Detection Mode	Presence
Measurement of Distance	Triangulation
Power Supply	12 – 24 VAC / VDC ±10%
Output Interface; Relay	Relay – max. contact rating: 1A @ 30 V (resistive)
Detection Range	0 – 8′
Distance Adjustment	2 –8′ (rotating cam with linear adjustment)
Max. Mounting Height	8′
Detection Signal Duration	Infinite Presence Detection
Detection Time	< 50 ms
Output Hold Time	Potentiometer range: 0.1 – 4.5 seconds
Operating Temperature Range	–30 °F – 140 °F
PCB Dimensions	
Master Slave	10.91″ (W) × 1.5″ (H) 8.75″ (W) × 1.5″ (H)
Connector to Door Controller	8-position screw terminal on Master PCB
Master-to-Slave Connection	Flat-ribbon cable with connectors and key lock
Max. Number of Slaves	8
Functions Selection	Detection mode: NO or NC Normal mode or Background Analysis mode
Norm Conformity	UL 10 B / C (90 minutes)[1] UL 10 B file number: GVUX.R39071; UL 10 C file number: GVUX7.R39071

[1]UL 10 fire rating applies only to SUPERSCAN-T sensors with housings less than or equal to 46½″. Housings greater than 46 ½″ are not UL 10 fire-rated.



RELATED PRODUCTS

10SSTMASTER
MASTER SENSOR

10SSTSLAVE
SLAVE SENSOR

10SSQD
QUICK DISCONNECT HARNESS

SERIES BREAKDOWN

SUPERSCAN-T SERIES	Part Number	Description
SUPERSCAN-T I	10SSTI	1 Master 34.5 in (end cap to end cap)
	10SSTI40	1 Master 40 in (end cap to end cap)
	10SSTI42	1 Master 42 in (end cap to end cap)
	10SSTI48	1 Master 48 in (end cap to end cap)
SUPERSCAN-T II	10SSTII	1 Master 1 Slave 34.5 in (end cap to end cap)
	10SSTII40	1 Master 1 Slave 40 in (end cap to end cap)
	10SSTII42	1 Master 1 Slave 42 in (end cap to end cap)
	10SSTII44	1 Master 1 Slave 44 in (end cap to end cap)
	10SSTII48	1 Master 1 Slave 48 in (end cap to end cap)
SUPERSCAN-T III	10SSTIII	1 Master 2 Slaves 34.5 in (end cap to end cap)

SUPERSCAN-T CUSTOM SERIES	Part Number	Description
SUPERSCAN-T I	10SSTICUSTOM	1 Master Custom Length
SUPERSCAN-T II	10SSTIICUSTOM	1 Master 1 Slaves Custom Length
SUPERSCAN-T III	10SSTIIICUSTOM	1 Master 2 Slaves Custom Length
SUPERSCAN-T IV	10SSTIVCUSTOM	1 Master 3 Slaves Custom Length

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