

Long-Range Curtain Barrier Sensors

E-9630-4S328DA 4 Beams, 30" (76cm) Long

E-9643-6S328DA 6 Beams, 43" (108cm) Long

E-9655-8S328DA 8 Beams, 55" (140cm) Long

ENFORCER Long-Range Curtain Barrier sensors can be used in windows, doorways, skylights, fence tops, walls, and other confined spaces for both indoor and outdoor perimeter security. The trigger is programmable to activate upon the simultaneous breaking of two adjacent beams or of any single beam.

Features

- Available with 4, 6 or 8 separate photobeam sensors
- Wide operating voltage range – 9~30 VDC
- 2 Programmable trigger options – simultaneous breaking of any two adjacent beams (default) or breaking of any single beam
- 2 Selectable frequencies to avoid interference from other nearby sensors
- Optional synchronization wire to prevent crosstalk in close proximity applications
- Supports synchronous or asynchronous operating modes
 - Range – up to 328ft (100m), synchronous mode
 - Range – 33~262ft (10~80m), asynchronous mode
- 4 Adjustable sensitivity levels to adjust for any range
- Tamper alarm output (N.C.) for use when housing is disturbed
- NO/NC relay output
- Buzzer alignment indicator with up to 180° horizontal rotation
- IP65 Weatherproof
- Rugged aluminum alloy construction with polycarbonate lens tube and end caps
- Mounting hardware included

E-9630-4S328DA shown



Up to
328'
Outdoors

IP65

**9~30
VDC**

**Tamper
Alarm
Output**

180° Swivel Housing



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Specifications

Model	E-9630-4S328DA		E-9643-6S328DA		E-9655-8S328DA	
Type	Curtain barrier					
No. of beams	4		6		8	
No. of beam frequencies	2					
Detection method	Selectable, single beam or simultaneous breaking 2 adjacent beams (default)					
Sensing range	Synchronous	Up to 328ft (100m)				
	Asynchronous	33~262ft (10~80m)				
Response time	≤40ms					
Operating voltage	9~30 VDC					
Current draw (max.)	12VDC TX	19mA	20mA	22mA		
	12VDC RX	24mA	26mA	24mA		
	24VDC TX	10mA	11mA	11mA		
	24VDC RX	11mA	12mA	12mA		
Outputs	Trigger	Selectable NO/NC (default, N.C.) 2A@30VDC				
	Tamper	1A@125VAC/VDC				
Tamper sensor	N.C. switch					
Triggered time	≥1s (or instant alarm, 0.1s)					
Light source	IR LED					
Alignment indicator	Buzzer					
Alignment angle	Horizontal	180°				
	Vertical	None				
IP Rating	IP65 Weatherproof					
Operating temperature	-22°~158° F (-30°~70° C)					
Material	Aluminum body, polycarbonate lens cover and end caps					
Dimensions	30"x17/8"x19/16" (76x4.8x3.9 cm)		43"x17/8"x19/16" (108x4.8x3.9 cm)		55"x17/8"x19/16" (140x4.8x3.9 cm)	
Weight (RX=TX)	2-lb 5-oz (1.05kg)		3-lb (1.4kg)		3-lb 14-oz (1.75g)	

Cable Length Chart

Maximum cable length for various size wiring cables are as follows (shielded cable is strongly suggested).

Wire size	12V	24V
AWG22	1,050' (320m)	9,186' (2,800m)
AWG20	1,800' (550m)	15,748' (4,800m)
AWG18	2,600' (800m)	23,622' (7,200m)
AWG17	3,190' (980m)	28871' (8200m)

Sample Installations

