



Across The Hall, or Across The Yard.

ENFORCER

MAXWELL INTEGRATION CO., LTD.

615 อาคารดิศตฤทัย ถนนรามคำแหง หัวหมาก บางกะปิ กรุงเทพฯ 10240



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Curtain/Barrier Sensors

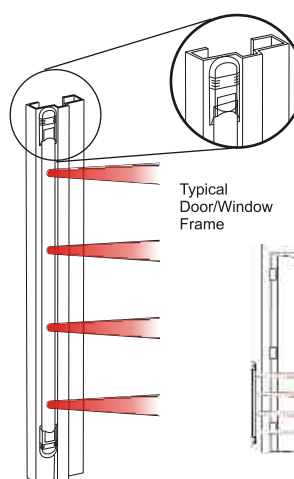
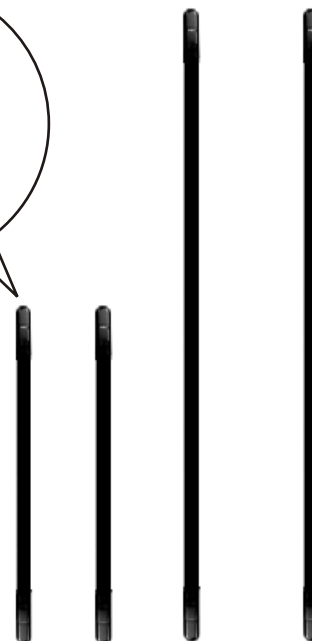
E-9622C2B25Q 2-Beam, Ht. 57cm. (1.9ft)
E-9641C4B25Q 4-Beam, Ht. 105cm. (3.4ft)
E-9660C6B25Q 6-Beam, Ht. 152cm. (5ft)
E-9679C8B25Q 8-Beam, Ht. 201cm. (6.6ft)
 Range: 25ft outdoor, 50ft indoor

- Install in windows, doorways, skylights, fence tops, any place where space is limited.
- Slim-line design $\frac{7}{8}" \times \frac{1}{16}"$ (22.3x33.5 mm)
- Triggers on breaking of any single or 2 adjacent beams (programmable).
- Rugged aluminum construction.
- Weatherproof IP65 construction.
- Anti-tamper circuit triggers alarm if power is cut or end cap is removed.
- No synchronizing wires required.
- NO/NC relay output, 1A@12~24 VDC.
- LED alignment indicator.
- L-brackets and mounting hardware included.

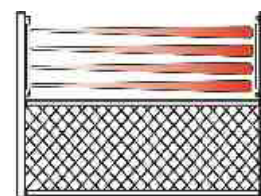
Specifications:



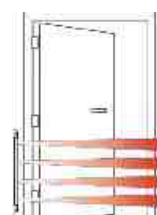
Range	8m (25ft) outdoor/16m (50 ft) indoor			
Operating voltage	10~30 VDC			
Current drain	E-9622C2B25Q	E-9641C4B25Q	E-9660C6B25Q	E-9679C8B25Q
	68mA	81mA	94mA	108mA
Number of beams	2	4	6	8
Dimensions (mm)	35x30x570	35x30x1050	35x30x1524	35x30x2008
Detection method	Simultaneous break of 2 adjacent beams or any single beam			
Output	NO/NC/COM relay output, 1A@120VAC/24VDC			
Operating temp.	-49° ~ 131° F (-45° ~ 55° C)			
Attenuation LED Configuration 1	(OFF): powered, aligned properly, (ON): beam is broken			
Configuration 2	(ON): powered, aligned properly, (OFF): beam is broken			
Enclosure/Case	IP65 / Al alloy			
Response time	Breakage of 1 beam: 2sec. Breakage of 2 adjacent beams : 0.5sec.			
Mounting brackets	Included			



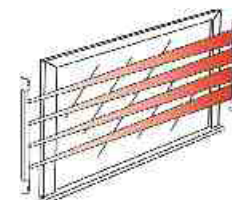
Typical Door/Window Frame



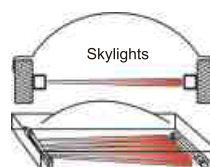
Indoor Fence Tops



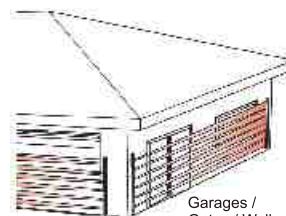
Doorways



Window (interior/exterior)

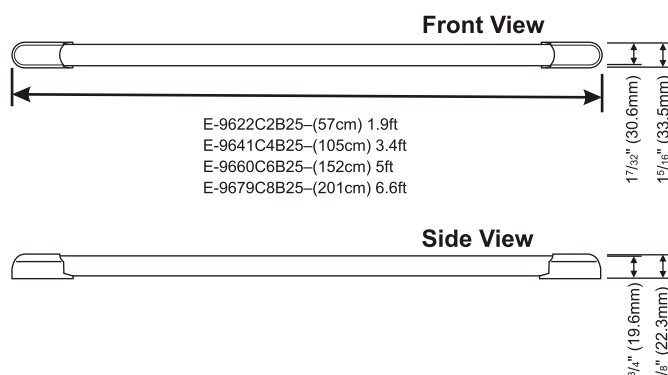


Skylights



Garages / Gates / Walls

Dimensions:



Quad Photobeam Detectors

E-964-Q165Q

Range: 165ft (50m) outdoor, 330ft (100m) indoor

E-964-Q330Q

Range: 330ft (100m) outdoor, 660ft (200m) indoor

E-964-Q495Q

Range: 495ft (150m) outdoor, 990ft (300m) indoor

E-964-Q660Q

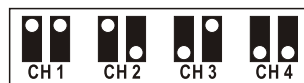
Range: 660ft (200m) outdoor, 1,320ft (400m) indoor



- Quad beams provide reliable perimeter security, minimizing false alarms from falling leaves, etc.
- Multi-frequency (four channels selectable) to reduce interference between multiple units.
- Lensed optics reinforce beam strength and provide excellent immunity to false alarms due to rain, snow, mist, etc.
- Weatherproof, sunlight-filtering case for indoor and outdoor conditions.
- Anti-frost system so that beam functions even in extreme conditions.
- Automatic input power filtering with special noise rejection circuitry.
- NO/NC alarm output.

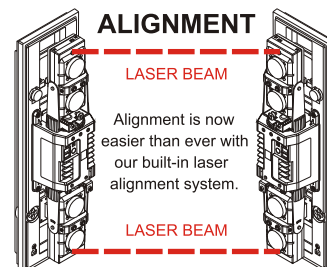
- NC tamper circuit included.
- Non-polarized power inputs.
- Quick, easy installation with built-in laser beam alignment system.
- Built-in heater.
- Buzzer sound (beep sound) for beam alignment.

Multi-Frequency Selection



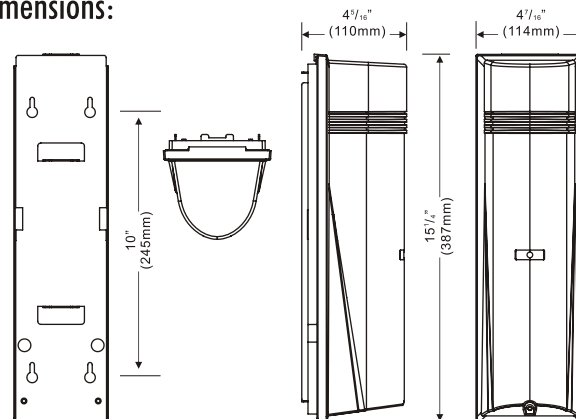
(To eliminate interference between multiple units)

LASER BEAM ALIGNMENT



Specifications	Q165Q	Q330Q	Q495Q	Q660Q
Max. range (outdoor)	165' (50m)	330' (100m)	495' (150m)	660' (200m)
Max. range (indoor)	330' (100m)	660' (200m)	990' (300m)	1320' (400m)
Current draw	110mA	115mA	120mA	125mA
# of channels (frequency)	4			
Operating voltage	12~24 VAC/VDC			
Detection system	50~700 ms (Variable)			
Alarm output	NO/NC, 1A@120VAC			
Tamper output (TX & RX)	N.C. switch, 1A@120VAC			
Alarm LED (Receiver)	Red LED—ON: When transmitter and receiver are not aligned or when beam is broken.			
Signal LED (Receiver)	Yellow LED—OFF: Beam is aligned properly. — FLASH: When receiver's signal weak. — ON: Beam broken or beam alignment not correct.			
Power LED (RX & TX)	Green LED—ON: Indicates connected to power.			
Laser wavelength	650nm			
Laser output power	5mW			
Alignment angle	Horizontal: ± 90°, Vertical: ± 15°			
Operating temperature	-13°~131° F (-25°~55° C)			

Dimensions:



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Twin Photobeam Detectors

E-960-D90Q

Range: 90ft (30m) outdoor, 190ft (60m) indoor

E-960-D190Q

Range: 190ft (60m) outdoor, 390ft (120m) indoor

E-960-D290Q

Range: 290ft (90m) outdoor, 590ft (180m) indoor

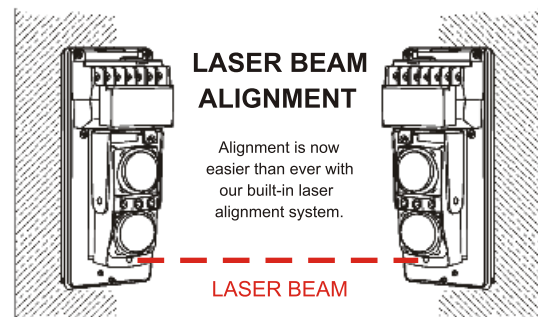
E-964-D390Q

Range: 390ft (120m) outdoor, 790ft (240m) indoor (Multi-frequency)



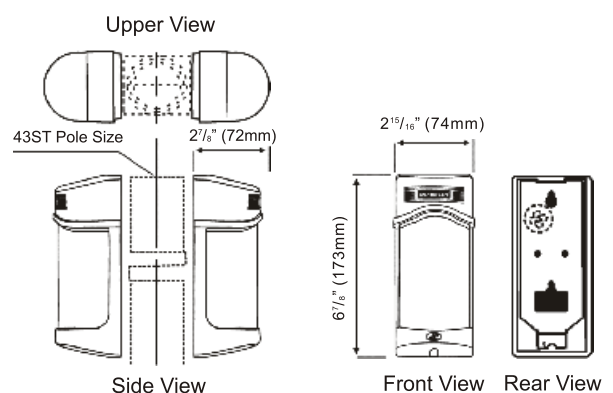
- Twin beams provide reliable perimeter security, minimizing false alarms from falling leaves, etc.
- Lensed optics reinforce beam strength and provide excellent immunity to false alarms due to rain, snow, mist, etc.
- Weatherproof, sunlight-filtering case for indoor and outdoor use.
- Anti-frost system so that beam functions even in extreme conditions.
- Automatic input power filtering with special noise rejection circuitry.
- NO/NC alarm output.
- NC tamper circuit included.
- Non-polarized power inputs.
- Quick, easy installation with built-in laser beam alignment system.

- Adjustable interrupt time (50~700 ms).
- E-964-D390Q is multi-frequency (four channels) to reduce interference.
- Covered under patents:
 - USA: D485774
 - Taiwan: 89463
 - China: ZL03311103.0



Specifications	E-960-D90Q	E-960-D190Q	E-960-D290Q	E-964-D390Q
Max. range (outdoor)	90' (30m)	190' (60m)	290' (90m)	390' (120m)
Max. range (indoor)	190' (60m)	390' (120m)	590' (180m)	790' (240m)
Current draw	64mA	70mA	74mA	88mA
# of channels (frequency)	1	1	1	4
Operating voltage	10~30 VAC/VDC (Non-polarity)			
Interrupt speed	50~700 ms (Variable)			
Alarm output	NO/NC/COM relay, 1A@120VAC			
Tamper output (TX & RX)	N.C. switch, 1A@120VAC			
LEDs	Alarm (red), Tuning (yellow), Operation (green)			
Laser wavelength	650nm			
Laser output power	5mW			
Alignment angle	Horizontal: $\pm 90^\circ$, Vertical: $\pm 5^\circ$			
Operating temperature	-13° ~ 131° F (-25° ~ 55° C)			

Dimensions:



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