

### Quad Photobeam Detector

**E-964-Q165Q** Outdoor range 165ft

**E-964-Q330Q** Outdoor range 330ft

**E-964-Q495Q** Outdoor range 495ft

**E-964-Q660Q** Outdoor range 660ft

#### Features:

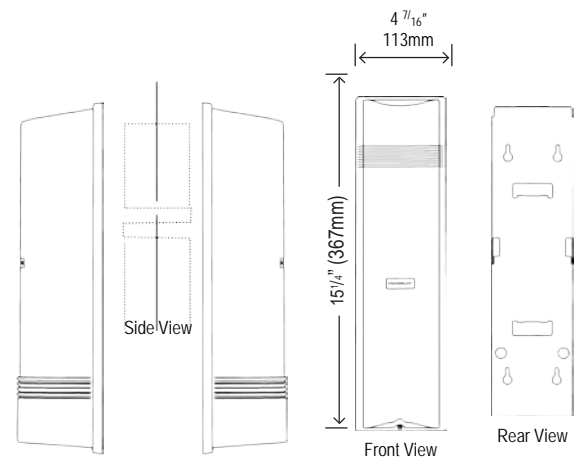
- Multi-frequency: Four selectable beam frequencies to eliminate interference between multiple units for flexible perimeter protection.
- Automatic input power filtering with special noise rejection circuitry.
- Environmental Output: Signal is sent if a degradation in environmental conditions is detected such as thickening fog to prevent false alarms.
- Audible beam alignment (buzzer), beam strength indicator, and laser alignment make transmitter and receiver alignment faster.
- Voltage testing points for fine tuning the beam alignment. Input voltage: 12-24 VDC/VAC (non polarized).
- Delay time adjustable for nearly all applications.

#### Specifications:

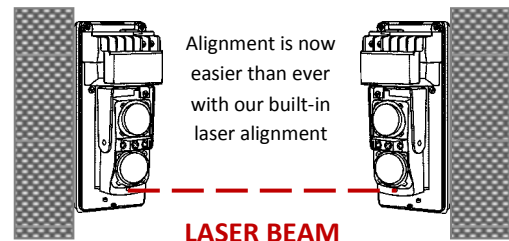
Model	E-964-165Q	E-964-330Q	E-964-495Q	E-964-660Q
Max. range (outdoor)	165'	330'	495'	660'
Max. range (indoor)	330'	660'	990'	1320'
Current (Tx & Rx)	110mA	115mA	120mA	125mA
Current (Tx & Rx & heaters)	260mA	270mA	280mA	290mA
Input Voltage	12-24VAC/VDC (Non-polarized)			
Delay time	50msec-700msec (Variable)			
Detection method	All 4 beams simultaneously broken			
Selectable beam frequencies	Four (4) channels			
Alarm output	Form "C" relay COM/ N.O./N.C., 1A @ 125VAC/24VDC			
Tamper output (Tx & Rx)	N.C. switch, 1A @ 120VAC			
Environmental output	Selectable N.O. or N.C., 1A @ 125VAC/24VDC			
Beam-strength indicator	5 LEDs indicate signal strength from high to low			
Alarm LED (Rx)	Red LED - ON - Beam is broken or Tx & Rx misaligned.			
Power LED (Rx & Tx)	Green LED - ON - Power is connected.			
Laser wavelength	650nm			
Laser output power	≤ 5mW			
Alignment angle	Horizontal: ±90° , Vertical: ±15°			
Operating temperature	-13°-131° F (-25°-55° C)			
Heater operation	Turns ON @ 41°F (5°C), Turns OFF @ 77°F(25°C)			
Weight	5.7 lbs. (2.6kg)			
Ingress protection	IP55			
Case	PC resin			
Dimensions	15-1/4" x 4-7/16" x 4-11/32" (387 x 113 x 110)			



#### Dimensions:



#### Laser Beam Alignment:



The SECO-LARM policy is one of continual development. For that reason, SECO-LARM reserves the right to change prices and specifications without notice. SECO-LARM is not responsible for misprints.

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