

### Twin Photobeam Detectors

- E-960-D90Q** Outdoor Range: Up to 90ft (30m)
- E-960-D190Q** Outdoor Range: Up to 190ft (60m)
- E-960-D290Q** Outdoor Range: Up to 290ft (90m)
- E-964-D390Q\*** Outdoor Range: Up to 390ft (120m)

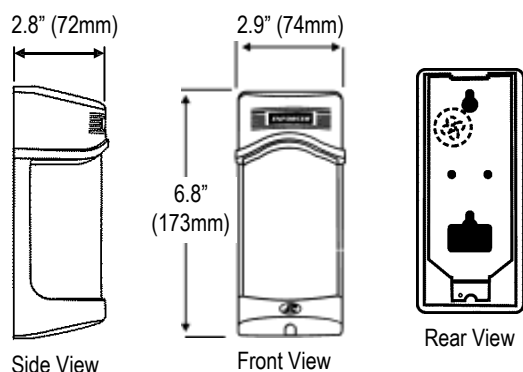
#### Features:

- Twin beams provide reliable perimeter security, minimizing false alarms for falling leaves, birds, etc.
- Lensed optics reinforce beam strength and provide excellent immunity to false alarms due to rain, snow, mist etc.
- Weatherproof, sunlight-filtering case
- Non-polarized power inputs
- Anti-frost system
- Automatic input power filtering with special noise rejection circuitry
- NC/NO Alarm output
- NC Tamper circuit included
- "U" Brackets included for pole mounting
- Quick, easy installation with built-in laser beam alignment system

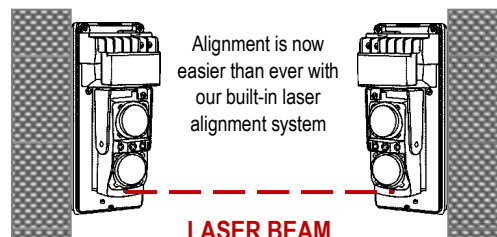
**\*E-964-D390Q also features:**

- Four selectable beam frequencies

#### Dimensions:



#### Laser Beam Alignment:



#### Specifications:

| Model                 | 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               | 53mA                                 | 62mA                                                                | 63mA        | 64mA        |
| Voltage output        | 1~4V                                 |                                                                     |             |             |
| Power                 | 10~30 VAC/VDC (non-polarized)        |                                                                     |             |             |
| Interrupt speed       | 50msec~700msec (variable)            |                                                                     |             |             |
| Alarm output          | NO/NC relay, 1A@120VAC, minimum 1sec |                                                                     |             |             |
| Tamper output         | N.C. switch, 1A@120VAC               |                                                                     |             |             |
| LEDs                  | Red                                  | ON indicates transmitter and receiver not aligned or beam is broken |             |             |
|                       | Yellow                               | ON indicates weak receiver signal or beam is broken                 |             |             |
|                       | Green                                | ON indicates unit connected to power                                |             |             |
| Laser wavelength      | 650nm                                |                                                                     |             |             |
| Laser output power    | <5mW                                 |                                                                     |             |             |
| Alignment angle       | Horizontal: +90°, vertical: +5°      |                                                                     |             |             |
| Operating temperature | -13°F (-25°C)~131°F (55°C)           |                                                                     |             |             |
| Weight                | 2.5-lb (1.1kg)                       |                                                                     |             |             |

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