

# Outdoor Quad Beam

*EE-OMD-12010*



## KEY FEATURES

- Quad beam detection to minimize false alarms by leaves, rain, snow, etc.
- Two (2) coverage ranges
- Four (4) mounting options
- Environmental discrimination circuit to monitor signal strength or loss
- Multiple channel operation
- And/Or mode selection
- High Impact Enclosure
- UL Standard UL639, Intrusion Detection Units certification

## TECHNICAL SPECIFICATIONS

<b>Alarm Output</b>	From C contacts rated at 0.2 A @ 30 VDC
<b>Beam Interrupt Time</b>	Adjustable from 50 to 200 milliseconds
<b>Detection Beams</b>	Four (4)
<b>Beam Distance</b>	660 ft / 200 m
<b>Current Draw</b>	Transmitter: 43 mA Receiver: 67 mA standby, 50 mA alarm
<b>Power Requirements</b>	9.5 to 28.8 VDC, non-polarized
<b>Enclosure Material</b>	High impact Leaxan® enclosure
<b>Dimensions (HxWxD)</b>	15.5" x 4.25" x 4.25" (39.4cm x 10.8cm x 10.8cm)
<b>Mounting Location Options</b>	Surface or pole mount to 1-5/8" to 1-3/4" (4.11cm to 4.45cm) O. D. pole
<b>Pattern Pointability</b>	±90° horizontal, ±10° vertical
<b>Radio Frequency Interference (RFI) Immunity</b>	No alarm or setup on critical frequencies in the range from 26 to 950 Mhz at 50 v/m
<b>Tamper Output</b>	Normally Closed tamper switch rated 0.2 A @ 30 VDC
<b>Operating Conditions</b>	-13°F to +140°F (-25°C to +60°C) <i>For UL Certificated installations, +32°F to +120°F (0°C to +49°C)</i>
<b>Certifications</b>	UL Standard UL639, Intrusion Detection Units

## BASIC FUNCTIONS

### Environmental discrimination circuitry

Monitors gradual loss of signal due to dust, fog, rain, snow, etc. Normally closed output opens when signal loss reaches 90%. May be field configured to bypass alarm relay when activated.

### Test features

Externally visible alarm LED. Internal transmitter operation LEDs. Flashing LED and voltage output at receiver for alignment purposes.

### Multiple channel operation

The detectors can be configured for up to 8 different channels. This allows multiple units to be used in close proximity to one another without the possibility of receiver cross-talk. This is particularly useful when stacking multiple beam sets.

### And/Or mode selection

The detectors can be configured to cause an alarm either when all four beams are blocked, or when either the upper or lower beams are blocked. This allows for detection of smaller

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