

SPECIFICATIONS

MODEL # SE-IR/3311
SINGLE EYE INFRARED
OVER-HEIGHT VEHICLE DETECTION SYSTEM



SOURCE



DETECTOR

SPECIFICATIONS:

| MODEL | SE-IR/3311 | SE-IR/3311 -F | SE-IR/3311 -230 | SE-IR/3311 -F-230 | SE-IR/3311 -24 | SE-IR/3311 -F-24 |
|---------------------------------|---|------------------|--------------------|----------------------|-------------------|---------------------|
| OPERATING VOLTAGE | 120 VAC, 50/60HZ | | 240 VAC, 50/60HZ | | +24 VDC | |
| CURRENT - SOURCE | 0.120A | 0.120A | 0.060A | 0.060A | 0.290A | 0.290A |
| CURRENT - DETECTOR | 0.215A | 0.246A | 0.108A | 0.123A | 0.390A | 0.545A |
| ALARM OUTPUT | Form C, dry relay contact closure, contacts rated 240 VAC 10A, protected by 8A circuit breaker. | | | | | |
| ALARM TIME | Adjustable by customer from 1 to 30 seconds. Custom alarm times available. | | | | | |
| FAULT OPTION | Fault reporting relay contact opening upon loss of power, source/detector failure or if beam is blocked for approximately 13 seconds. | | | | | |
| FAULT OUTPUT | | X | | X | | X |
| ELECTRONICS | Sensors are NEMA 6P enclosure rated. Printed circuit board for years of reliable operation. | | | | | |
| EFFECTS OF AMBIENT LIGHT | Very high noise immunity. | | | | | |
| MINIMUM RANGE | 6 feet (2 m). | | | | | |
| MAXIMUM RANGE | 500 feet (152 m). Suggested maximum range 200 feet (61 m) to allow for bad weather and lens contamination. | | | | | |



SPECIFICATIONS (CONT'D):

| MODEL | SE-IR/3311 | SE-IR/3311 -F | SE-IR/3311 -230 | SE-IR/3311 -F-230 | SE-IR/3311 -24 | SE-IR/3311 -F-24 |
|------------------------------|---|------------------|--------------------|----------------------|-------------------|---------------------|
| ALIGNMENT | Two LEDs and meter (GO-NOGO functions) provided for alignment. No special tools required. | | | | | |
| ALIGNMENT HARDWARE | Two-Axis Mount (Model # TG-2AM) enables pitch and heading adjustment. Two required per system (sold separately). | | | | | |
| REACTION SPEED | 1 to 75 MPH (1 to 121 km/h) for a 2.5 inch (6.25 cm) diameter object 1 inch (2.5 cm) above the detection height. Custom speed/size available. | | | | | |
| COUNTER | Records the number of activations. | | | | | |
| TEMPERATURE RANGE | -40° to +135° F (-40° to +57° C). | | | | | |
| ENVIRONMENTAL CONTROL | Internal thermostat controls air flow which reduces moisture and maintains internal temperature during cold weather. | | | | | |
| HOUSINGS | External housing is heavy ALMAG casting and sheet aluminum (not less than 1/8 inch or .318 cm thickness) for rugged durability and extended life. Cabinet design minimizes effects of vandalism and provides rigid mounting. Meets NEMA 3R intent. Powder coated gray finish. Custom colors available at additional cost. | | | | | |
| CONNECTORS | Source Cabinet: One 3/4" NPT hole accepts cord grip or conduit fitting. Detector Cabinet: One 3/4" NPT hole accepts cord grip or conduit fitting. | | | | | |
| MOUNTING HARDWARE | Pole Mount Bracket (Model # PMB-500) enables pole mounting. Two required per system (sold separately). Pole Mount Bracket (Model # PMB-407) enables pole mounting with enhanced vertical adjustment. Two required per system (sold separately). Wall Mount Bracket (Model # FSB-500) enables wall mounting. Two required per system (sold separately). Pole-top mountable when using pole cap on Model # 3701 or 3702 poles. Custom mounting hardware available. | | | | | |
| DIMENSIONS | Source Cabinet: 15½ x 10 x 8¾ inches (39 x 25 x 22 cm). Detector Cabinet: 15½ x 10 x 8¾ inches (39 x 25 x 22 cm). | | | | | |
| SHIPPING WEIGHT | 40 lbs (18 kg). | | | | | |
| WARRANTY | Standard 1-Year Full Warranty. Extended Warranty options available. | | | | | |

ORDERING GUIDE – SOURCE AND DETECTOR:

| MODEL # | DESCRIPTION |
|------------------|--|
| SE-IR/3311 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, INFRARED, 120VAC |
| SE-IR/3311-230 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, INFRARED, 230VAC |
| SE-IR/3311-24 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, INFRARED, 24VDC |
| SE-IR/3311-F | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, INFRARED, W/FAULT, 120VAC |
| SE-IR/3311-F-230 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, INFRARED, W/FAULT, 230VAC |
| SE-IR/3311-F-24 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, INFRARED, W/FAULT, 24VDC |

ORDERING GUIDE – SOURCE UNIT ONLY:

| MODEL # | DESCRIPTION |
|------------------|---|
| SE-IR/3311S | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, INFRARED, 120VAC |
| SE-IR/3311S-230 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, INFRARED, 230VAC |
| SE-IR/3311S-24 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, INFRARED, 24VDC |
| SE-IR/3311FS | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, INFRARED, W/FAULT, 120VAC |
| SE-IR/3311FS-230 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, INFRARED, W/FAULT, 230VAC |
| SE-IR/3311FS-24 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, INFRARED, W/FAULT, 24VDC |



ORDERING GUIDE – DETECTOR UNIT ONLY:

| MODEL # | DESCRIPTION |
|------------------|---|
| SE-IR/3311D | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, INFRARED, 120VAC |
| SE-IR/3311D-230 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, INFRARED, 230VAC |
| SE-IR/3311D-24 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, INFRARED, 24VDC |
| SE-IR/3311FD | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, INFRARED, W/FAULT, 120VAC |
| SE-IR/3311FD-230 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, INFRARED, W/FAULT, 230VAC |
| SE-IR/3311FD-24 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, INFRARED, W/FAULT, 24VDC |

OPTIONAL ACCESSORIES:

| MODEL # | DESCRIPTION |
|-------------|--|
| TG-2AM | TWO-AXIS MOUNT |
| PMB-500 | POLE MOUNT BRACKET |
| PMB-407 | POLE MOUNT BRACKET W/VERTICAL ADJUSTMENT |
| FSB-500 | FLAT SURFACE BRACKET |
| USC-1000 | UNIVERSAL SYSTEM CONTROLLER (PROVIDES LOGGING AND REMOTE NOTIFICATIONS) |
| TG-CAM-1010 | NETWORK CAMERA (PROVIDES SNAPSHOT IMAGES AND VIDEO RECORDINGS) |

Additional accessories and warning devices are available from Trigg Industries LLC.
 Contact sales@triggindustries.com for details.