

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. Electronic printed circuits 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.					
ALIGNMENT	Two LEDs and meter (GO-NOGO functions) provided for alignment. No special tools required.					

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
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.					
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	Pole-mountable using Model # PMB-500 bracket (available separately). Wall-mountable using Model # FSB-500 bracket (available separately). Pole-top mountable when using pole cap on Model # 3701 or 3702 poles. Optional Three-Axis Mount (Model # TGZ-M017) recommended in applications with cross slope or complex road profiles.					
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
PMB-500	POLE MOUNT BRACKET
TGZ-M017	THREE-AXIS MOUNT
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.