

**SPECIFICATIONS**

**MODEL # SE-R/3310**  
**SINGLE EYE VISIBLE RED**  
**OVER-HEIGHT VEHICLE DETECTION SYSTEM**



**SOURCE**



**DETECTOR**

SPECIFICATIONS:

| MODEL                           | SE-R/3310   | SE-R/3310<br>-F | SE-R/3310<br>-230 | SE-R/3310<br>-F-230 | SE-R/3310<br>-24 | SE-R/3310<br>-F-24 |
|---------------------------------|---|-----------------|-------------------|---------------------|------------------|--------------------|
| <b>OPERATING VOLTAGE</b>        | 120 VAC, 50/60HZ  |                 | 240 VAC, 50/60HZ  |                     | +24 VDC          |                    |
| <b>CURRENT - SOURCE</b>         | 0.120A  | 0.120A          | 0.060A            | 0.060A              | 0.290A           | 0.290A             |
| <b>CURRENT - DETECTOR</b>       | 0.215A  | 0.246A          | 0.108A            | 0.123A              | 0.390A           | 0.545A             |
| <b>ALARM OUTPUT</b>             | Form C, dry relay contact closure, contacts rated 240 VAC 10A, protected by 8A circuit breaker.                                       |                 |                   |                     |                  |                    |
| <b>ALARM TIME</b>               | Adjustable by customer from 1 to 30 seconds. Custom alarm times available.  |                 |                   |                     |                  |                    |
| <b>FAULT OPTION</b>             | Fault reporting relay contact opening upon loss of power, source/detector failure or if beam is blocked for approximately 13 seconds. |                 |                   |                     |                  |                    |
| <b>FAULT OUTPUT</b>             |   | X               |                   | X                   |                  | X                  |
| <b>ELECTRONICS</b>              | Sensors are NEMA 6P enclosure rated. Electronic printed circuits for years of reliable operation.                                     |                 |                   |                     |                  |                    |
| <b>EFFECTS OF AMBIENT LIGHT</b> | Sunlight immunity of 10,000 foot-candles.   |                 |                   |                     |                  |                    |
| <b>MINIMUM RANGE</b>            | 6 feet (2 m).   |                 |                   |                     |                  |                    |
| <b>MAXIMUM RANGE</b>            | 800 feet (244 m). Suggested maximum range 200 feet (61 m) to allow for bad weather and lens contamination.                            |                 |                   |                     |                  |                    |
| <b>ALIGNMENT</b>                | Two LEDs and meter (GO-NOGO functions) provided for alignment. No special tools required.   |                 |                   |                     |                  |                    |



SPECIFICATIONS (CONT'D):

| MODEL                        | SE-R/3310  | SE-R/3310<br>-F | SE-R/3310<br>-230 | SE-R/3310<br>-F-230 | SE-R/3310<br>-24 | SE-R/3310<br>-F-24 |
|------------------------------|--|-----------------|-------------------|---------------------|------------------|--------------------|
| <b>REACTION SPEED</b>        | 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.  |                 |                   |                     |                  |                    |
| <b>COUNTER</b>               | Records the number of activations.   |                 |                   |                     |                  |                    |
| <b>TEMPERATURE RANGE</b>     | -40° to +135° F (-40° to +57° C).  |                 |                   |                     |                  |                    |
| <b>ENVIRONMENTAL CONTROL</b> | Internal thermostat controls air flow which reduces moisture and maintains internal temperature during cold weather.   |                 |                   |                     |                  |                    |
| <b>HOUSINGS</b>              | 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.   |                 |                   |                     |                  |                    |
| <b>CONNECTORS</b>            | Source Cabinet: One 3/4" NPT hole accepts cord grip or conduit fitting.<br>Detector Cabinet: One 3/4" NPT hole accepts cord grip or conduit fitting.   |                 |                   |                     |                  |                    |
| <b>MOUNTING</b>              | Pole-mountable using Model # PMB-500 bracket (available separately).<br>Wall-mountable using Model # FSB-500 bracket (available separately).<br>Pole-top mountable when using pole cap on Model # 3701 or 3702 poles.<br>Optional Three-Axis Mount (Model # TGZ-M017) recommended in applications with cross slope or complex road profiles. |                 |                   |                     |                  |                    |
| <b>DIMENSIONS</b>            | Source Cabinet: 15½ x 10 x 8¾ inches (39 x 25 x 22 cm).<br>Detector Cabinet: 15½ x 10 x 8¾ inches (39 x 25 x 22 cm).   |                 |                   |                     |                  |                    |
| <b>SHIPPING WEIGHT</b>       | 40 lbs (18 kg).  |                 |                   |                     |                  |                    |
| <b>WARRANTY</b>              | Standard 1-Year Full Warranty. Extended Warranty options available.  |                 |                   |                     |                  |                    |

ORDERING GUIDE – SOURCE AND DETECTOR:

| MODEL #         | DESCRIPTION   |
|-----------------|---|
| SE-R/3310       | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, VISIBLE RED, 120VAC          |
| SE-R/3310-230   | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, VISIBLE RED, 230VAC          |
| SE-R/3310-24    | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, VISIBLE RED, 24VDC           |
| SE-R/3310-F     | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, VISIBLE RED, W/FAULT, 120VAC |
| SE-R/3310-F-230 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, VISIBLE RED, W/FAULT, 230VAC |
| SE-R/3310-F-24  | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE AND DETECTOR, VISIBLE RED, W/FAULT, 24VDC  |

ORDERING GUIDE – SOURCE UNIT ONLY:

| MODEL #         | DESCRIPTION  |
|-----------------|--|
| SE-R/3310S      | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, VISIBLE RED, 120VAC          |
| SE-R/3310S-230  | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, VISIBLE RED, 230VAC          |
| SE-R/3310S-24   | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, VISIBLE RED, 24VDC           |
| SE-R/3310FS     | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, VISIBLE RED, W/FAULT, 120VAC |
| SE-R/3310FS-230 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, VISIBLE RED, W/FAULT, 230VAC |
| SE-R/3310FS-24  | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, SOURCE UNIT ONLY, VISIBLE RED, W/FAULT, 24VDC  |

ORDERING GUIDE – DETECTOR UNIT ONLY:

| MODEL #         | DESCRIPTION  |
|-----------------|--|
| SE-R/3310D      | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, VISIBLE RED, 120VAC          |
| SE-R/3310D-230  | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, VISIBLE RED, 230VAC          |
| SE-R/3310D-24   | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, VISIBLE RED, 24VDC           |
| SE-R/3310FD     | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, VISIBLE RED, W/FAULT, 120VAC |
| SE-R/3310FD-230 | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, VISIBLE RED, W/FAULT, 230VAC |
| SE-R/3310FD-24  | SINGLE-EYE SINGLE DIRECTION DETECTION SYSTEM, DETECTOR UNIT ONLY, VISIBLE RED, 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<br>(PROVIDES LOGGING AND REMOTE NOTIFICATIONS) |
| TG-CAM-1010 | NETWORK CAMERA<br>(PROVIDES SNAPSHOT IMAGES AND VIDEO RECORDINGS)          |

Additional accessories and warning devices are available from Trigg Industries LLC.  
Contact [sales@triggindustries.com](mailto:sales@triggindustries.com) for details.