

SPECIFICATIONS

MODEL # DB-R/IR-3200 WITH HEATER OPTION

DUAL BEAM VISIBLE RED / INFRARED

OVER-HEIGHT VEHICLE DETECTION SYSTEM



SOURCE



DETECTOR

SPECIFICATIONS:

MODEL	DB-R/IR-3200-H	DB-R/IR-3200-230-H	DB-R/IR-3200-24-H
OPERATING VOLTAGE	120 VAC, 50/60HZ	240 VAC, 50/60HZ	+24 VDC
ALARM OUTPUT	Two dry relay contact closures, Form C, contacts rated 115VAC 10A and protected by 8A circuit breakers.		
FAULT OUTPUT	Dry relay contact opening, Form C, contacts rated 115VAC 10A and protected by an 8A circuit breaker.		
ALARM TIME	Adjustable by customer from 1 to 30 seconds. Other options available.		
ELECTRONICS	Sensors are NEMA 6P enclosure rated. Printed circuit board for years of reliable operation.		
EFFECTS OF AMBIENT LIGHT	10,000 Foot Candles for Red Detector.		
MAXIMUM RANGE	800 feet. Suggested maximum range of 200 feet to allow for bad weather and lens contamination.		
DIRECTION SELECTION	Selection switch. No tools or adjustment required.		
ALIGNMENT	Two Green LEDs and GO-NOGO meter provided for alignment. No special tools required.		
REACTION SPEED	1mph to 75mph for a 2.5 inch diameter object 1 inch above the height of detection.		

SPECIFICATIONS (CONT'D):

MODEL	DB-R/IR-3200-H	DB-R/IR-3200-230-H	DB-R/IR-3200-24-H
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 thickness) to minimize vandalism and provide for rigid mounting.		
HEATERS / LENS	Internal heaters in each eye cone to help reduce condensation and snow build up. Lenses to help contain internal heat and provide additional sensor protection.		
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 / Detector Cabinet: 16½ x 12½ x 8¾ inches (42 x 32 x 22 cm).		
SHIPPING WEIGHT	45 lbs (20 kg).		
WARRANTY	Standard 1-Year Full Warranty. Extended Warranty options available.		

ORDERING GUIDE – SOURCE AND DETECTOR:

MODEL #	DESCRIPTION
DB-R/IR-3200-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE AND DETECTOR, VISIBLE RED/INFRARED, 120VAC, HEATER/LENS OPTION
DB-R/IR-3200-230-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE AND DETECTOR, VISIBLE RED/INFRARED, 230VAC, HEATER/LENS OPTION
DB-R/IR-3200-24-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE AND DETECTOR, VISIBLE RED/INFRARED, 24VDC, HEATER/LENS OPTION

ORDERING GUIDE – SOURCE UNIT ONLY:

MODEL #	DESCRIPTION
DB-R/IR-3200S-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE UNIT ONLY, VISIBLE RED/INFRARED, 120VAC, HEATER/LENS OPTION
DB-R/IR-3200S-230-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE UNIT ONLY, VISIBLE RED/INFRARED, 230VAC, HEATER/LENS OPTION
DB-R/IR-3200S-24-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE UNIT ONLY, VISIBLE RED/INFRARED, 24VDC, HEATER/LENS OPTION

ORDERING GUIDE – DETECTOR UNIT ONLY:

MODEL #	DESCRIPTION
DB-R/IR-3200D-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, DETECTOR UNIT ONLY, VISIBLE RED/INFRARED, 120VAC, HEATER/LENS OPTION
DB-R/IR-3200D-230-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, DETECTOR UNIT ONLY, VISIBLE RED/INFRARED, 230VAC, HEATER/LENS OPTION
DB-R/IR-3200D-24-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, DETECTOR UNIT ONLY, VISIBLE RED/INFRARED, 24VDC, HEATER/LENS OPTION

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.