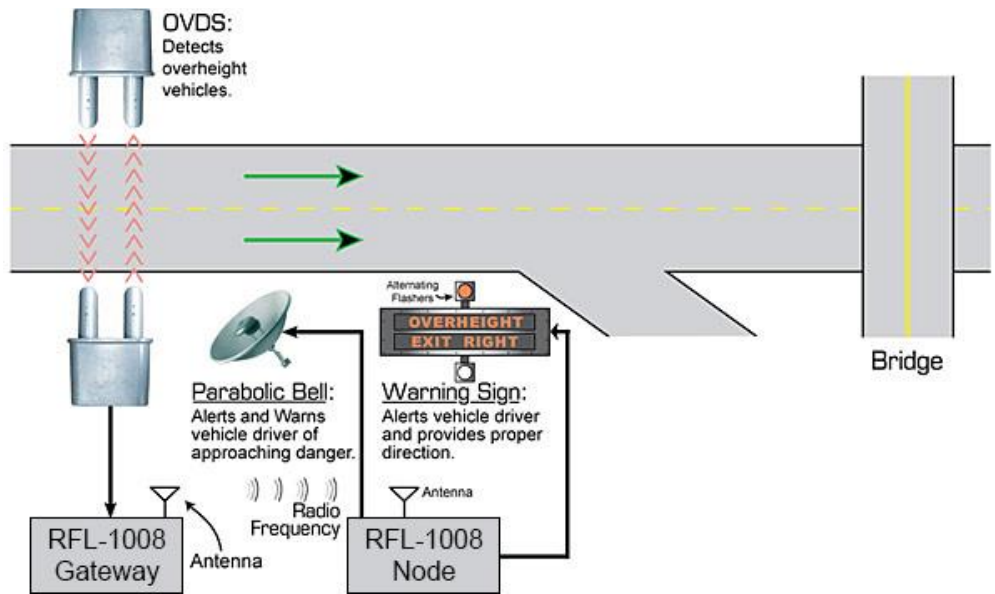


SPECIFICATIONS

MODEL # RFL-1008

RADIO FREQUENCY LINK (MEDIUM RANGE)

Activate warning devices using 900 MHz wireless contact closure link between OHVDS and warning devices. Cost effective alternative to wired installation. Includes (1) Gateway unit and (1) Node unit.



GENERAL SPECIFICATIONS:

FEATURES	Activated by over height vehicle detection system (OHVDS) or other equipment dry contact relay closure. Activation time controlled by time delay relay user-adjustable from 0.1 s to 10 days. Gateway unit installed at OHVDS. Node unit installed downstream at warning devices.
STANDARD FUNCTIONS	Provides one solid state flash relay with two independent outputs to activate warning devices (LED signals). Available at Node unit only. Provides one steady state voltage output to activate warning devices (flasher, strobe, blank out sign). Available at Gateway and Node units. Provides one Form C, dry relay contact to activate other devices (PLC, external controller) at Node unit. Available at Gateway and Node units.

GENERAL SPECIFICATIONS (CONT'D):

ADVANCED FUNCTIONS	Provides real-time monitoring, logging, and remote alerting of Alarm and Fault OHVDS events. Accessible using web-browser. ^{1,2} Compatible with optional network camera accessory. UPS “-120U” ordering option adds real-time power status monitoring and is designed to send “last-gasp” message in the event of loss of commercial power. ⁴
WARRANTY	Standard 1-Year Full Warranty.

WIRELESS SPECIFICATIONS:

MAXIMUM RANGE	Approximately 6 miles line-of-sight with Omni antenna.
NETWORK	900 MHz, 1 Watt, Frequency Hopping Spread Spectrum. Point-to-point contact closure using one Gateway and one Node (standard). Point-to-multipoint contact closure using one Gateway and multiple Nodes (optional using additional Nodes).
ANTENNA	Omni antenna mounted to the enclosure. Optional antennas available.
900 MHZ COMPLIANCE	FCC ID UE3RM1809: FCC PART 15, SUBPART C, 15.247 IC: 7044A-RM1809

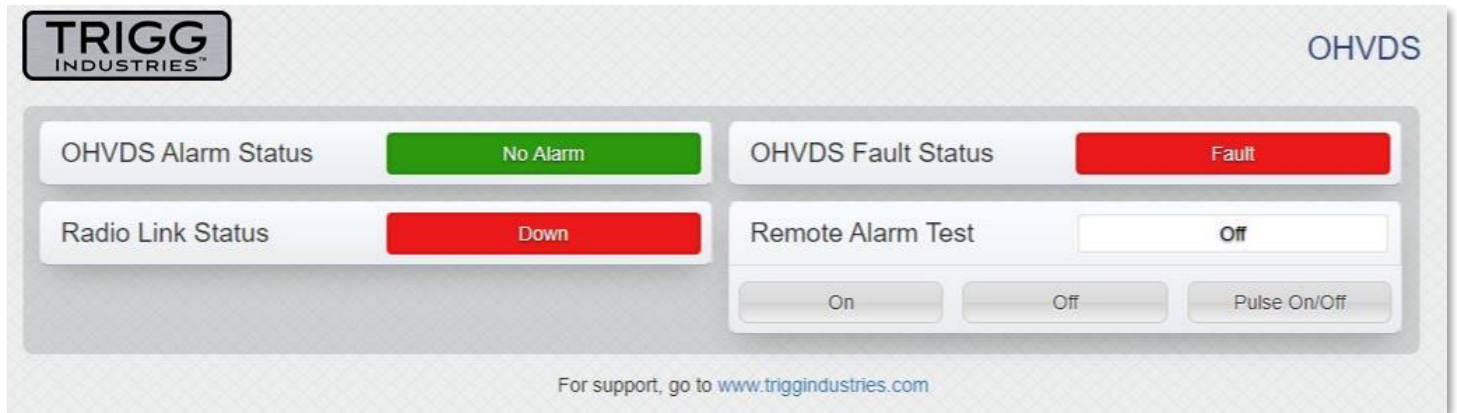
GATEWAY SPECIFICATIONS:

INPUT VOLTAGE	100-240VAC $\pm 10\%$ 50-60Hz $\pm 6\%$, 24VDC, or 12VDC
TEMP. RANGE	-29°F to +158°F (-34°C to +70°C)
ALARM CONFIGURATION	(1) OHVDS Alarm Input (1) Form C, dry relay contacts (NC/NO) output, protected by 8A fuse
FAULT CONFIGURATION	(1) OHVDS Fault Input (1) Form C, dry relay contacts (NC/NO) output, protected by 8A fuse
CELLULAR MODEM ^{1,3}	Global HSPA+ and 4G LTE, 2x2 MIMO antenna, (2) 10/100 Ethernet ports, (2) Mini-SIM (2FF) card slots, VPN support, Local and remote management through HTTP/HTTPS, Telnet, SSH, and SMS.
REMOTE I/O MODULE ^{1,2}	10/100 Base-T Ethernet Port. Supported Protocols: HTTP, HTTPS, SSL, TLS (V1.2), Modbus TCP/IP, SNMP (V1, V2 & V3), NTP, SMTP, FTP. BASIC script support. Supports third-party software integration using XML, JSON, and SNMP. OHVDS application specific Management Information Base (MIB) file can be generated and downloaded directly from device.
ENCLOSURE	Standard powder-coated carbon steel. Optional 316L stainless-steel or polycarbonate. Includes wall mount brackets and pad-lock hasps. Available without enclosure for mounting in customer provided enclosure or 19" rack. Custom enclosure and mounting options available.
DIMENSIONS	20" H x 20" W x 8" D (enclosure without mounting hardware) 19" H x 18" W x 6" D (back-panel only) 16" H x 19" W x 8" D (rack installation)

NODE SPECIFICATIONS:

INPUT VOLTAGE	100-240VAC ±10% 50-60Hz ±6%, 24VDC, or 12VDC
TEMP. RANGE	-29°F to +158°F (-34°C to +70°C)
ALARM CONFIGURATION	(1) Set alternating flash output, 60 FPM, protected by 5A fuse (1) Steady voltage output, protected by 8A fuse (1) Form C, dry relay contacts (NC/NO) output, protected by 8A fuse
FAULT CONFIGURATION	(1) Form C, dry relay contacts (NC/NO) output, protected by 8A fuse
ENCLOSURE	Standard powder-coated carbon steel. Optional 316L stainless-steel or polycarbonate. Includes wall mount brackets and pad-lock hasps. Available without enclosure for mounting in customer provided enclosure or 19" rack. Custom enclosure and mounting options available.
DIMENSIONS	20" H x 20" W x 8" D (enclosure without mounting hardware) 19" H x 18" W x 6" D (back-panel only) 16" H x 19" W x 8" D (rack installation)

MONITORING WEB-PAGE:



(IF EQUIPPED WITH REMOTE I/O MODULE)

ENCLOSURES:



**POWDER-COATED STEEL
ENCLOSURE**



**STAINLESS-STEEL
ENCLOSURE**



**POLYCARBONATE
ENCLOSURE**

ORDERING GUIDE:

		Typical product code	RFL-1008	-G	-24	-RC2	-SS
Model	RFL-1008	Radio Frequency Link, wireless connection to warning devices					
System	(blank)	(1) Gateway and (1) Node					
	-G	(1) Gateway					
	-N	(1) Node					
Input Voltage	(blank)	120VAC					
	120U	120VAC with +24VDC UPS module					
	240	240VAC					
	24	24VDC					
	12	12VDC					
Remote Communication	(blank)	Gateway - No Remote I/O Module - Standard					
	RC2	Gateway - Remote I/O Module with Ethernet					
	RC3	Gateway - Remote I/O Module with Ethernet and Cellular Modem					
Enclosure	(blank)	Carbon steel, powder coated, light gray, pad-lockable - Standard					
	SS	Stainless steel, 316L, pad-lockable					
	NM	Polycarbonate, non-metallic, light gray, pad-lockable					
	BP	No enclosure, components mounted on carbon steel back-panel					
	19	No enclosure, components mounted on 9RU recessed panel for installation in 19" rack					

¹ Refer to Ordering Guide for details.

² If equipped with Remote I/O Module and network connection is available.

³ If equipped with Cellular Modem.

⁴ Runtime varies depending on load (typically 5 to 15 mins). UPS supplies power to +24VDC RFL-1008 internal devices only, including the Remote I/O module with Ethernet and Cellular Modem.

OPTIONAL ACCESSORIES:

MODEL #	DESCRIPTION
TG-CAM-1010	NETWORK CAMERA (PROVIDES SNAPSHOT IMAGES AND VIDEO RECORDINGS)
TG-ANT-25	DIRECTIONAL ANTENNA KIT, 25 FT (1) 900 MHZ, 9 DBI YAGI ANTENNA, (1) 25' COAX CABLE, (1) COAX SURGE PROTECTOR
TG-ANT-50	DIRECTIONAL ANTENNA KIT, 50 FT (1) 900 MHZ, 9 DBI YAGI ANTENNA, (1) 50' COAX CABLE, (1) COAX SURGE PROTECTOR

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