

SPECIFICATIONS

MODEL # USC-1000
UNIVERSAL SYSTEM CONTROLLER



POWDER-COATED STEEL ENCLOSURE



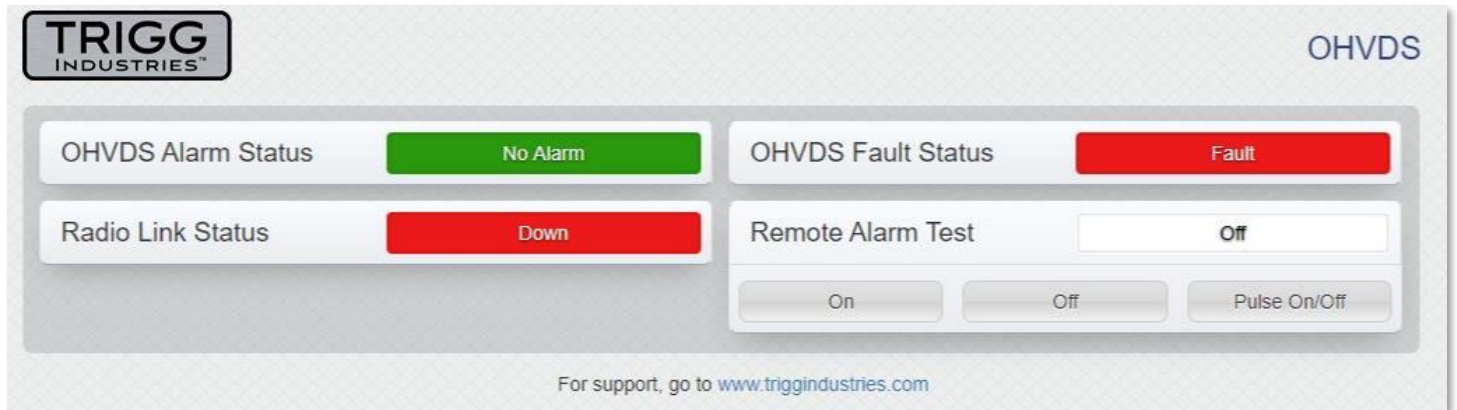
STAINLESS-STEEL ENCLOSURE

INPUT VOLTAGE	100-240VAC ±10% 50-60Hz ±6%, or 12-24VDC ¹
FEATURES	Activated by over height vehicle detection system (OHVDS) or other equipment dry contact relay closure. Activation time is set by alarm time control in OHVDS (1-30sec) or other equipment.
STANDARD FUNCTIONS	Provides one solid state flash relay with two independent outputs to activate warning devices (LED signals). Provides one steady state voltage output to activate warning devices (flasher, strobe, blank out sign). Provides one Form C, dry relay contact to activate other devices (PLC, external controller).
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
ALARM CONFIGURATION	(1) OHVDS Alarm Input - Standard (1) Set alternating flash output, 60 FPM, protected by 5A fuse - Standard (1) Steady voltage output, protected by 8A fuse - Standard (1) Form C, dry relay contacts (NC/NO) output, protected by 8A fuse - Standard Additional OHVDS Alarm Inputs and Output combinations are available.

SPECIFICATIONS (CONT'D):

FAULT CONFIGURATION	(1) OHVDS Fault Input - Standard (1) Form C, dry relay contacts (NC/NO) output, protected by 8A fuse - Standard Additional OHVDS Fault Inputs and Output combinations are available.
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.
TEMP. RANGE	-29°F to +158°F (-34°C to +70°C)
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. ¹ 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)

ORDERING GUIDE:

		Typical product code	USC-1000	-24	-2A	-2F	-RC2	-SS
Model	USC-1000	Universal system controller, wired connection to warning devices						
Input Voltage	(blank)	120VAC						
	120U	120VAC with +24VDC UPS module						
	240	240VAC						
	24	24VDC						
	12	12VDC						
OHVDS Alarm Inputs	(blank)	1 OHVDS Alarm Input - Standard						
	2A	2 OHVDS Alarm Inputs						
	3A	3 OHVDS Alarm Inputs						
OHVDS Fault Inputs	(blank)	1 OHVDS Fault Input - Standard						
	2F	2 OHVDS Fault Inputs						
	3F	3 OHVDS Fault Inputs						
	NF	No OHVDS Fault Input						
Remote Communication	(blank)	No Remote I/O Module - Standard						
	RC2	Remote I/O Module with Ethernet						
	RC3	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 USC-1000 internal devices only, including the Remote I/O module with Ethernet and Cellular Modem.