

SPECIFICATIONS

MODEL # USC-1000
UNIVERSAL SYSTEM CONTROLLER



POWDER-COATED STEEL ENCLOSURE



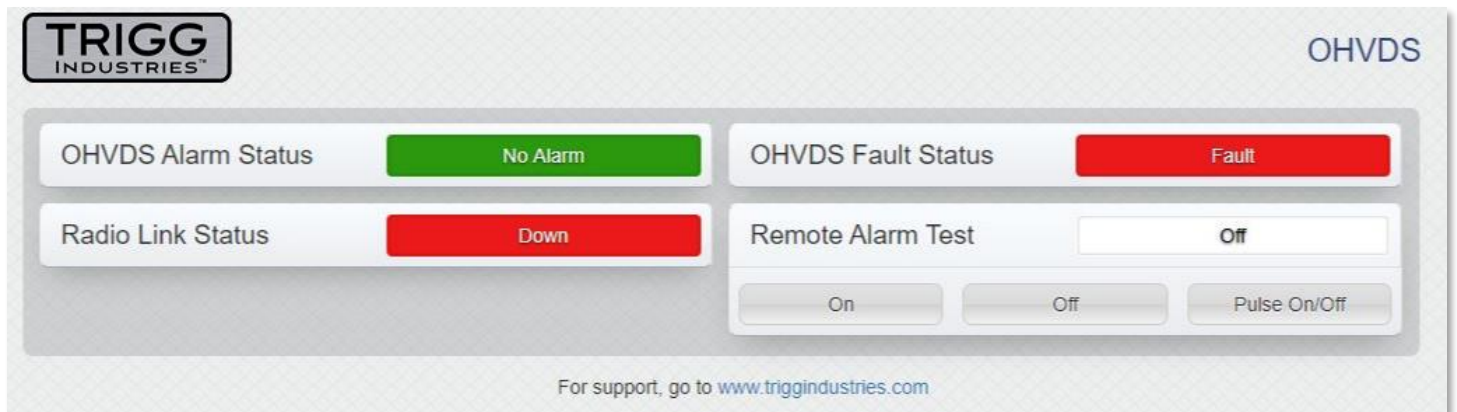
STAINLESS-STEEL ENCLOSURE

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) 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), protected by 8A fuse

SPECIFICATIONS (CONT'D):

FAULT CONFIGURATION	(1) Form C, dry relay contacts (NC/NO), protected by 8A fuse
CELLULAR MODEM	Global HSPA+ and 4G LTE, 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. ^{1,3}
TEMP. RANGE	-29°F to +158°F (-34°C to +70°C)
ENCLOSURE	Pad-lockable, powder-coated carbon steel or 316L stainless-steel, wall mount brackets included. Available without enclosure (back-panel only) using “-BP” ordering option. ¹
DIMENSIONS	20” H x 16” W x 8” D (enclosure without mounting hardware) 19” H x 14” W x 6” D (back-panel only)
DIMENSIONS (DUAL OHVDS)	20” H x 20” W x 8” D (enclosure without mounting hardware) 19” H x 18” W x 6” D (back-panel only)

MONITORING WEB-PAGE:



(IF EQUIPPED WITH REMOTE I/O MODULE)

ORDERING GUIDE:

		Typical product code	USC-1000	-120	-RC3	-SS
Model						
	USC-1000	Universal system controller, wired connection to warning devices				
Input Voltage						
	240	240VAC				
	120	120VAC				
	120D	120VAC with Dual OHVDS				
	120U	120VAC with +24VDC UPS module				
	24	24VDC				
	12	12VDC				
Remote Communication						
	RC1	No Remote I/O module, standard functionality				
	RC2	Remote I/O module with Ethernet				
	RC3	Remote I/O module with Ethernet, cellular modem				
Enclosure						
	PC	Carbon steel, powder coated, light gray, pad-lockable				
	SS	Stainless steel, 316L, 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.