Safe-D-Stop™

Wireless Emergency Stop

PL-D RATED SAFETY SYSTEM SOLUTION

HIGHLIGHTS

- Designed specifically for PL-d level machine safety applications requiring a high visibility, illuminated Stop switch
- One Start /Reset button and two additional PL-d level reversing rocker switches for safe auxiliary functions
- When paired with the CBMCU, the dual CANbus interface supports J1939, CANopen and CANopen Safety protocols.

FEATURES

- IP65 enclosure offers protection against harsh environments
- Long-life switches measured in millions of cycles
- Long battery life; uses AA standard alkaline batteries
- Enhanced status indicators include multiple LEDs and haptic feedback
- Wireless closed box Bluetooth® configuration of frequency and function for simple and rapid deployment of spares
- RFID security and reconfiguration enable user ID security and "as needed" reconfiguration of the controller to a specific machine
- PL-d safety level based on black channel telegram for both control and feedback and a redundant dual-processor architecture
- Illuminated PL-d stop switch
- Customizable switch layout to meet specific requirements and white label programs
- Global licensed and unlicensed frequencies offer support in the 915MHz, 868MHz, 433MHz and 2.4GHz (unlicensed) and 450-470MHz (licensed) spectrums
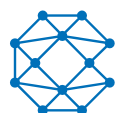- Diagnostic data collection - essential data and diagnostics are logged and available over Bluetooth®

APPLICATIONS

For the safe control of equipment and machinery in a wide variety of industrial and commercial applications including;

- Crane and Hoist Systems
- Conveying Systems
- Mobile Equipment
- Pump Control
- Robotics

COMPLIANCE

- CE/RED
- EN/ISO 13849
- Performance Level-d
- ISO 13850

CONNECT. CONTROL. PROTECT.

TECHNICAL DATA AND SPECIFICATIONS

ELECTRONIC DATA

Commands	Start, Stop and two Reversing functions
Digital Circuitry	Dual microprocessor PL-d architecture
System Address	24-Bit (65,535) unique addresses
Energy-Saving Mode	Configurable automatic shutdown
Battery	2 – AA batteries

RF

Frequency Range	License exempt: 915MHz, 433MHz ,868MHz, 2.4GHz 450-470MHz licensed
Operating Range	180 Meters typical (600 ft)
Antenna	Integrated internal antennas
Telegram	Dynamic high-efficiency telegram
Data Security	Enhanced bi-directional black channel communication
RFID	RFID reader for security and reconfiguration options

ACCESSORIES

Batteries	2 – standard AA
Labeling	Standard label sheets supplied
Holster	Leather holster
Rechargeable Battery	Optional rechargeable battery and charger

MECHANICAL DATA

Weight	0.25kg (9 oz)
Dimensions L x W x H	71 x 165 x 25mm (2.8 x 6.5 x 1 in)
Housing	High-impact fiber-reinforced nylon IP65 suitable for outdoor use
Operating Temperature	-20º to 60º C (-4º to 140º F)
Vibration and Shock	Vibration / Impact and Drop tested to 1 meter on concrete

OPERATION AND INDICATION

Status	1 Tri-Color Status LED 4 Bi-Color Status LEDs Haptic Feedback Illuminated Stop Switch
Control Elements	Illuminated PLd Stop switch 2 PLd reversing rocker switches 1 Start/Reset switch
Compatible MCU	Cattron 10R-ASO or CBMCU