

L-STOP

LOCOMOTIVE STOP SYSTEM



HIGHLIGHTS

- Lightweight wireless locomotive stop system that increases yard worker safety
- Includes a handheld transmitter, receiver, antenna and emergency stop
- Standalone wireless solution for all locomotives that can be easily integrated and removed from daily operations
- Fail-safe design for loss of communication, loss of power, broken wire or failed hardware - all result in safely stopping the locomotive

FEATURES

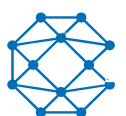
- Up to three handheld transmitters can be paired to a system
- Lockable power and pneumatic connections
- Pneumatic interface commands the locomotive stop
- Continuous signal monitoring
- Generator field isolation for redundancy
- Easy installation in under two hours
- Works on locomotives with or without locomotive remote control systems
- Works with competitive remote control systems
- External antenna for one-mile line-of-sight operating range
- As an additional safety feature, systems that include horn and bell functions will automatically sound upon the receiver braking to notify yard personnel that the L-Stop has been activated.
- Repeaters can be added to extend the operating range

CONFIGURATIONS

- Basic stop system
- Basic stop system plus electric horn and bell functionality
- Basic stop system plus pneumatic horn and bell functionality

COMPLIANCE

- United States (FCC) McQ-XBPSX
- Canada (IC) 1846A-XBPSX
- Brazil ANATEL 05774-16-01209
- Australia RCM





TECHNICAL DATA AND SPECIFICATIONS

ELECTRONIC DATA

Response Time	Beacon rate .5 sec
Battery	OCU: Internal 3.7V 2000 mAh rechargeable Li-Ion. Recharges via micro-USB MCU: DC option, 64 VDC
OCU Battery Life	Eight to nine hours of continuous operation. Sleep mode of approx. 45 days

RF

Frequency Range	900 MHz spread spectrum
Operating Range	One-mile line-of-sight Extended range options available with repeaters
RF Network	Eight independent network frequencies
Antenna	External

ACCESSORIES

Repeaters	Site survey available on request
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MECHANICAL DATA

Weight	OCU: .75 lbs (0.34 kg) MCU: 2.11 lbs (0.96 kg) MCU w/Comp:12 lbs (5.44 kg)
Dimensions W x H x D	OCU: 4 x 4 x 1.5in (101.6 x 101.6 x 38.1mm) MCU: 13.5 x 11.75 x 6.5 in (342.9 x 298.5 x 167.6mm)
Housing	OCU: aluminum frame, ABS plastic with integrated display MCU: NEMA 4 fiberglass, hinged lockable lid
IP Rating	OCU: IP40-rated MCU: IP55-rated
Operating Temperature	-40° to +185°F (-40° to +85° C)

OPERATION AND INDICATION

Transmitter	One e-stop Four auxiliary membrane pushbuttons
Receiver	Two safety stop outputs (standard) Two auxiliary outputs (configurable)