

# WIRELESS E-STOP

## Data Sheet



## Keep Safety in the Palm of Your Hand

In an emergency, every second counts. FORT's Wireless E-Stop (WES) saves valuable time when it matters most. The handheld remote can shut down any machine system from a safe distance.

### PREVENT ACCIDENTS AND PROTECT YOUR TEAM

- Patented safety system for maximum reliability
- Redundant two-way monitoring
- Designed to leading industry safety requirements
- All-day battery and long-range connectivity

### EASY TO USE AND INTEGRATE

The handset and receiver are in constant two-way communication.



The Wireless E-Stop can be carried or worn on a belt.



The Vehicle Safety Controller (VSC) receiver mounts on the machine and wires into any standard e-stop circuit.

### APPLICATIONS

Use on any machine with an e-stop circuit.



#### INDUSTRIAL

Protect team members with Wireless E-Stops stationed at gateways to high-risk areas, or personal handsets to carry all day.



#### LABS, EDUCATION, R+D

Keep safety first when building and testing the robots of the future.



#### MATERIAL HANDLING:

Prevent warehouse collisions by safely stopping autonomous mobile robots, AGVs, storage and retrieval systems, and more.



#### HEAVY EQUIPMENT

The Wireless E-Stop can go where you go in harsh outdoor conditions for use with autonomous construction equipment, harvesters, mowers, and more.

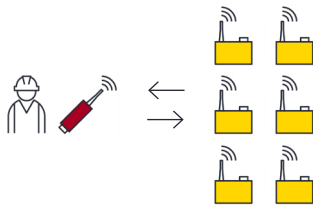
## FLEXIBLE PAIRING



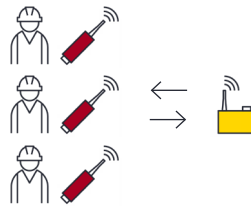
FORT's configuration tool makes it easy to pair multiple E-Stops and receivers. Stop up to 11 machines at once from a single handset.

← FORT Wireless E-Stop & Vehicle Safety Controller

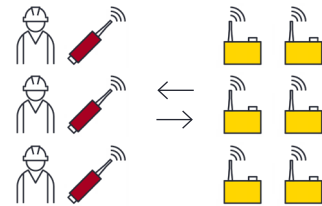
### PAIRING OPTIONS



**One to many**  
Shut down multiple systems from a single remote handset



**Many to one**  
Workers carry personal E-Stops for shut down from different locations



**Many to many**  
Stop multiple machines from multiple locations

## TECHNICAL SPECIFICATIONS

### WIRELESS FREQUENCY OPTIONS

- 900 MHz FHSS
- 2.4 GHz FHSS

### LINE OF SIGHT RANGE

- Up to 500m at 2.4 GHz
- Up to 2km at 900 MHz
- May vary based on antenna placement, obstructions, and environment

### LATENCY

- TX Rate: 35 ms default
- RX Timeout: 332 ms default
- Configuration-dependent

### TRANSMIT POWER

- Up to 1W, subject to local regulations

### SAFETY RATING

- Designed to meet ISO 13849 Category 3 Performance Level D 2015 Edition

### HANDSET: WIRELESS E-STOP (WES)

- Battery life: Up to 12 hours
- Operates while charging
- IP65 enclosure
- Operating temperature: -20°C to 60°C
- Input voltage, charging: 5V DC @ 2A (USB)
- Measures 6.4" x 1.95" x 1.95"
- Approximately 1.0 Lbs
- Optional belt clip
- LED indicators for battery, connection, and e-stop status

### RECEIVER: VEHICLE SAFETY CONTROLLER (VSC-006)

- Dual channel safety relays for emergency stop output
- Dual channel emergency stop input loop
- IP66 enclosure
- Operating temperature: -40°C to 70°C
- Input power: 9-36V
- RP-SMA female antenna connector
- Measures 5.9" x 3.2" x 2.5"
- LED indicator for e-stop status
- Embedded options also available; contact FORT for details