BASE ENGINEERING INC.
FUEL TRANSFER AUTOMATION
an MEC company

ASKF BULK PLANT E-STOP

BASEng.com

Bulk Plant E-Stop

WIRELESS CONTROL SYSTEM

Fixed Mount E-Stop Transmitter

Pressing the Emergency Stop button causes the receiver/controller unit to trigger a shut down. The system cannot be rebooted until the E-Stop button is pulled out and a manual receiver/controller reset is performed. E-Stop buttons are dual contact - dual channel, and comply with global E-Stop switch requirements. Systems will fail safe, triggering an automatic E-Stop with any loss of main line electrical power supply to the receiver/controller unit.

Fixed frequency remote E-Stop switch operates at 433 MHz using two double “A” batteries. The transmitter is energized only when E-Stop switch is activated. Battery Test button shows a “low battery “ flashing LED on the E-Stop switch as well as on the receiver/controller unit. A “low battery” alarm or indicator lamp output is supplied for auxiliary low battery warning. Typical battery life is one to two years, but routine battery testing and replacement is recommended. Typical operating range up to 1000ft.

- Emergency Stop transmitter units can be strategically located on or near fuel transfer equipment within a 1000ft radius
- 300 hour battery life
- Intrinsically Safe Zone 0 Rated
- Global Equivalent to C1 I, Div 1

Our fixed wireless E-Stop systems were developed to eliminate costly hard wiring of typical fixed location Emergency Stop switches and to provide operators with radio remote E-Stop mobility. Any number of wireless remote E-Stop switches can be installed within the facility and communicate with one or more receiver/ controller units.

These wireless Emergency Stop systems will work in conjunction with all existing, hard wired, manual E-Stop Systems in worldwide fuel transfer service.

- Designed specifically for bulk storage and off-loading facilities by the world leading experts in Hazardous Location Wireless Emergency Stop Systems.
- Eliminates expensive explosion-proof hard wiring and conduit.
- ATEX and IECEx approved for use in Hazardous Environments.
- Combination of fixed mounted wireless E-Stop switches and portable hand-held switches.

CERTIFICATIONS

- FCC Approval #N8KJ8T6JII (Non-licensed)
- ATEX/IECEx Explosion-proof
- Complies with US DOT 49CFR requirements for “Off Truck Remote Shut-Off”

E-Stop Receiver / Controller

Easily interfaced with electrical, pneumatic, hydraulic, nitrogen, or mechanical plant shut-off equipment. Systems will operate with 12/24VDC or 120/240VAC power supplies.

Receiver/Controller outputs can be specified as 12/24VDC, 120/240VAC, dry contact or Rs232. BASE Engineering can also supply electric/pneumatic interface solenoids on request.

Transmitter E-Stop switches ARE rated for use in hazardous location but standard receiver/controller units are NOT rated explosion-proof, and are typically hard wired by an electrician in a non-hazardous electrical control area. Receiver/controller units come pre-wired and ready for power supply and E-Stop connection.

Antenna and coax cable are also provided for outside antenna mounting allowing maximum operating range. Explosion-proof receiver controller electrical enclosures are available on request.

Please contact BASE Engineering's Customer Service team for add-on information and pricing.

Low Battery Indicator

Modular DIN Rail receiver components for easy installation

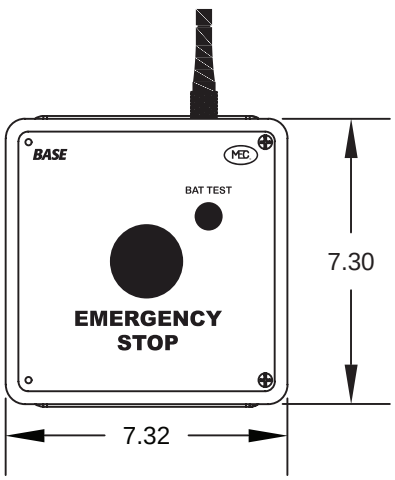
Explosion-proof receiver/ controller option

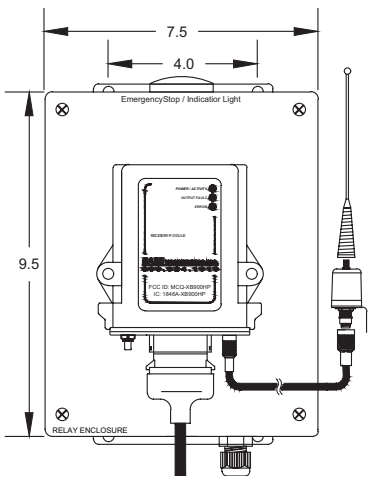
REMOTE EMERGENCY STOP SWITCH SPECIFICATIONS

FREQUENCY OF OPERATION	433.92MHz
METHOD OF TRANSMISSION	56 bit DES encryption key
CONSTRUCTION	Rugged weather-proof aluminum enclosure
ANTENNA	Externally mounted helical
NORMAL RANGE	Up to 1000ft (higher gain available)
TEMPERATURE SPECIFICATION	Minus 20F to 185 F
BATTERY LIFE	300 hours of continuous use w/flashing Low Battery LED indicator
DIAGNOSTICS	RF Activity LED and Low Battery indicator
CERTIFICATIONS	Intrinsically Safe EX Rated: ATEX: EX II 1G SIRA 11ATEX2317X IECEx: EX ia IIC T4 Ga SIR 11.0148X

RECEIVER CONTROLLER SPECIFICATIONS

FREQUENCY OF OPERATION	433.92MHz
METHOD OF TRANSMISSION	56 bit DES encryption key
CONSTRUCTION	Rugged weather-proof aluminum enclosure
ANTENNA	Externally mounted helical
NORMAL RANGE	Up to 1000ft (higher gain available)
TEMPERATURE SPECIFICATION	Minus 20F to 185 F
BATTERY LIFE	300 hours of continuous use w/flashing Low Battery LED indicator
DIAGNOSTICS	RF Activity LED and Low Battery indicator





GET IN TOUCH

BASE ENGINEERING INC.

600 ROTHESAY AVENUE, SAINT JOHN, NB E2H 2H1
NORTH AMERICA TOLL FREE - 1.800.924.1010 |
INTERNATIONAL - 01.506.635.2280 | FAX - 506.635.2281
SALES@BASENG.COM | SUPPORT@BASENG.COM

BASE Engineering offers a four year, no hassle, replacement warranty on every product we manufacture, and one year warranty on products that are not manufactured at BASE Engineering. Our Technical Support group is available Monday to Friday from 7 am through 5 pm EST to assist with warranty, service, or installation questions..

BASEng.com