

LPG MOBILE OR STATIONARY REFUELING

WIRELESS EMERGENCY SHUTDOWN

Designed specifically for **Mobile LPG Dispenser and Stationary LPG Fueling Facilities** by the world leading experts in Hazardous Location Wireless Emergency Stop Systems.

Eliminates expensive explosion-proof hard wiring and conduit.

Handheld Transmitters are ATEX and IECEx approved for use in Zone 0, Class I, Div I, Group "D" Hazardous Environments.

Compact Handheld Emergency Stop transmitter unit is worn by attendant and can be used at any time to remotely shut off LPG pumping and electrical systems from within a 1000ft radius.

Fixed Mounted Emergency Stop transmitter units can be strategically located on or near LPG transfer equipment within a 1000ft radius.

Systems can be configured to work with any combination of fixed mounted wireless E-Stop switches and portable hand-held E-Stop switches.

Our wireless E-Stop systems were developed to eliminate costly hard wiring of typical fixed location emergency stop switches and to provide operator 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 switches and safety controls.

With optional TRUCK mounted receiver, attendant is also able to shut down LPG delivery trucks. If problem occurs during product transfer, tanker valves and motive power can be shut down remotely.

Designed and manufactured by **BASE Engineering Inc.** with over 60,000 Wireless E-Stop Systems in worldwide fuel transfer service.



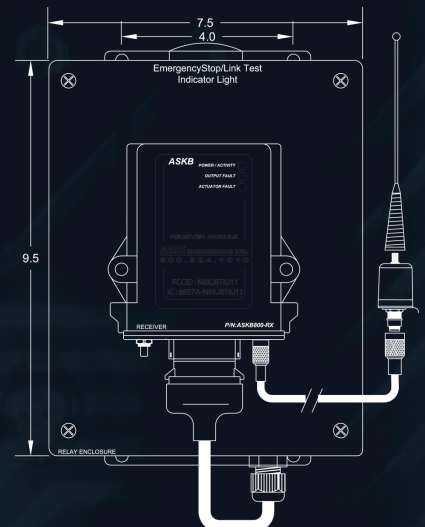
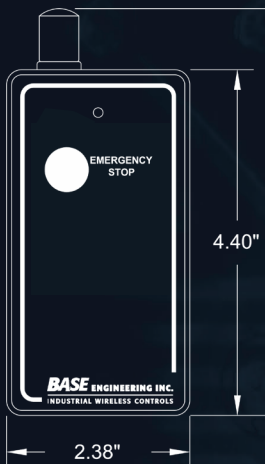
Handheld or Fixed Mounted EMERGENCY STOP Switches

- **4 Year Warranty**
- **Lifetime Product Support**
- **Detailed System Drawings with Each Unit**
- **300 Hour Battery Life**
- **Intrinsically Safe Zone 0 Rated, Class I, Div I, Group "D"**

** Daily E-Stop transmitter battery tests and scheduled battery replacement interval is strongly recommended. The E-Stop transmitters and receiver/controller shut-down will NOT operate when the remote E-Stop transmitter batteries are exhausted.*

REMOTE EMERGENCY STOP SWITCH SPECIFICATIONS

Model ASK SERIES	
FREQUENCY OF OPERATION	433.92MHz
METHOD OF TRANSMISSION.....	56 bit DES encryption key
CONSTRUCTION	Rugged weatherproof polymer and aluminum enclosure
ANTENNA.....	External Rubber Flex
NORMAL RANGE.....	1000ft (300m)
HIGH POWERED SIGNAL OPTION.....	Up to 2 Miles
TEMPERATURE SPECIFICATION	Minus 20 F to 185 F
BATTERY LIFE	300 hours of continuous use
BATTERY TYPE	Common 'AA' included
DIAGNOSTICS.....	RF activity LED and Low Battery indicator
FCC APPROVAL #	N8KJ8T6J11 (non-licensed)



Fixed-frequency remote E-Stop switch operates at 433MHz using two double "A" batteries. 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. Operating range up to 1000ft.

E-Stop Receiver/ Controller

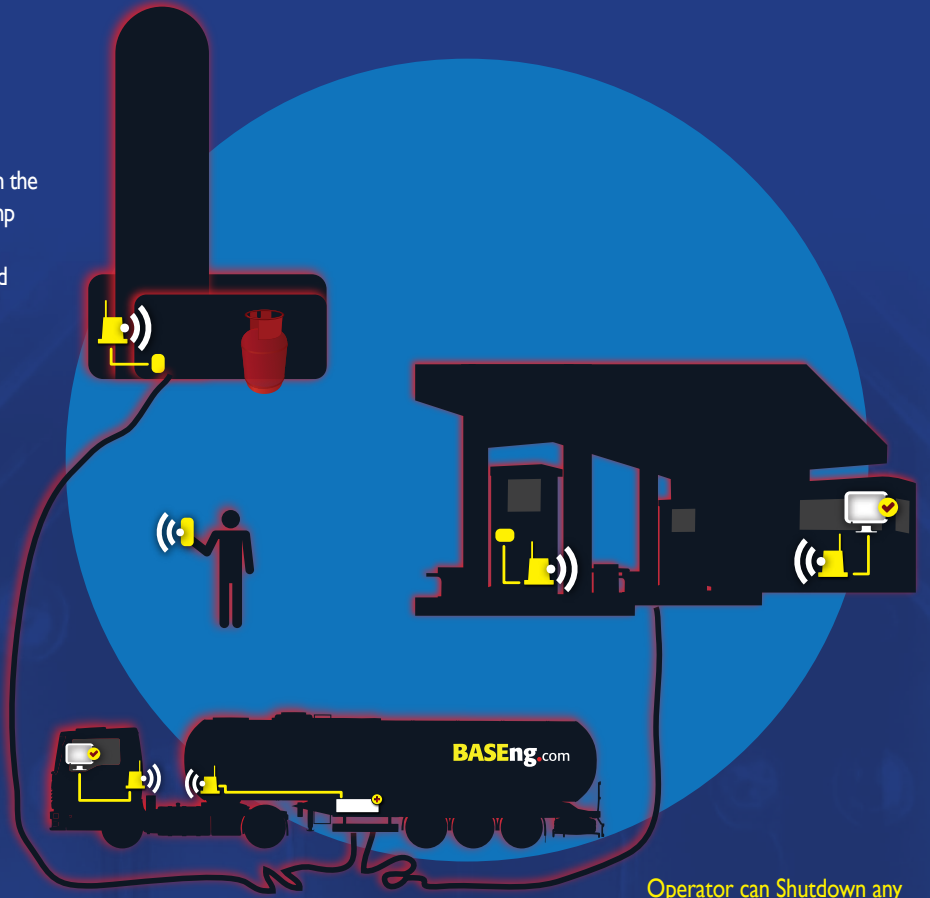
Easily interfaced with electrical, pneumatic, hydraulic, nitrogen, or mechanical plant shut-off equipment. Systems will operate with 12/24VDC or 120/240VAC power supplies.

Receiver/Controller outputs can be specified as 12/24VDC, 120/240VAC, dry contact, RS232, or J1939 CAN bus. **BASE Engineering** can also supply electric/pneumatic interface solenoids on request.

Transmitter E-Stop switches ARE rated for use in hazardous locations but standard receiver/controller units are NOT rated explosion proof and are typically hard wired by electrician in a non-hazardous electrical control area. Receiver/controller units are provided 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.

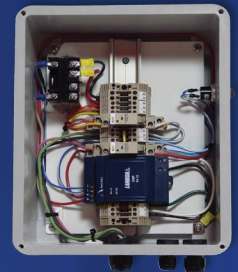
Fixed Mount E-Stop Transmitter

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.



Operator can Shutdown any LPG pumping or tank equipment fitted with **BASE E-Stop** hardware. Contact our factory to help specify your application.

Modular DIN Rail components for easy installation and maintenance



RECEIVER/CONTROLLER SPECIFICATIONS

FREQUENCY	433.92MHz
POWER SUPPLY	120/240VAC or 12/24VDC
RECEIVER OUTPUT MAX LOAD	Up to 24Amps
RECEIVER OUTPUT TYPE	24Amp Dry Contact Relay
CONSTRUCTION	Rugged weatherproof polymer enclosure
ANTENNA	external antenna/coax included
WIRING CONNECTIONS	pre-wired to meet customer requirements
SERIAL COMMUNICATION	Optional J1939 CAN bus/RS232 interface to OEM serial networks
TOTAL SYSTEM WEIGHT	10lbs
ROHS LEAD-FREE COMPLIANT	



Intrinsically Safe, Explosion Proof handheld remote **E-Stop** available for any system

