

ASKW EMERGENCY STOP



ASKW E-Stop

WIRELESS EMERGENCY STOP SYSTEMS - PORTABLE TRANSMITTERS

The ASKW Emergency Stop handheld is rugged, weather-proof and reliable, even in the most hazardous environments. Providing a mobile, out of cab safety solution, this handheld is the result of over 20 years' worth of industry expertise and real world experience.

CERTIFICATIONS



- FCC Approval #N8KJ8T6JII (Non-licensed)
- ATEX/IECEX Explosion-proof
- Complies with US DOT 49CFR requirements for "Off Truck Remote Shut-Off"
- US Patent Number RE39,249



- US DOT and Transport Canada Compliant
- Compact polycarbonate receiver units are easily installed using pre-wired electrical harness (supplied)
- Max operating range of 1000ft
- Runs for 300 hours of continuous operation and warns you when batteries are low
- Uses state of the art encryption technology to ensure an interference free, fail-safe signal
- Lightning fast response time - everything stops so you stay safe
- Receivers are energized only during operation and have built-in fail-safe feature, activating E-Stop with any loss of receiver power

Available Channel Modes: E-Stop

The channel is initially turned off and when the button is pressed, the channel is turned on and all other channels are turned off. This channel remains active and other channels inactive until receiver is manually reset.

E-Stop

The channel is initially turned on and when the button is pressed, the channel turned off and all other channels are turned off. This channel remains inactive and other channels inactive until receiver is manually reset.

Query

This feature requires that the operator periodically press a 'query' button on the remote control to keep the pumping system active. If the operator fails to press the query button within a factory specified time, an audible warning is first sounded followed by activation of the truck's Emergency Stop system. The operator must press the 'query' button during the delivery or audible warning period to reset the timer.

SafeLink Operation

During normal operation, the handheld will communicate continuously with the receiver. If the handheld goes out of range or the signal is lost for any reason SafeLink will cause the equipment to shutdown. If the operator experiences a shutdown triggered by SafeLink, he can resume operation by moving back within range and pressing "ON" button again. The system will return to normal operation. This safety feature prevents the operator from losing contact with the receiver and being unable to activate E-Stop.

Multi - Function

WIRELESS CONTROL SYSTEM

UP TO EIGHT BUTTON



Our popular LPG and Refined Fuels remote control systems offer unrestricted hose-end control, greatly increasing productivity and improving safety over conventional truck mounted manual controls. These explosion-proof remote controls provide technology developed specifically for fuel delivery truck applications in a rugged, compact package. The ASKW system is available with one to eight control buttons, with user definable button functionality and labeling.

The cast aluminum handheld transmitter is water-proof and extremely durable. Up to eight transmitter buttons are custom labeled in any language. Transmitters will operate up to 300 hours continuously and have built-in low battery warning LEDs.

- Compact polycarbonate receiver units are easily installed using pre-wired electrical harness (supplied)
- External antenna/coax provides up to 1000 ft (300m) operating range with enough power to punch through brick, concrete, and metal walls
- A small external 'learn' button allows for easy transmitter (remote) replacement. Systems are factory married with unique 32 bit ID codes ensuring the receiver will only work with its paired transmitter
- Internal diagnostic LEDs monitor battery levels, signal connection, and wiring faults for easy troubleshooting
- Receivers are energized only during pumping operations and have built-in 'fail-safe' feature closing all tank valves with any power loss or truck movement



Configurations

- **EMERGENCY STOP**

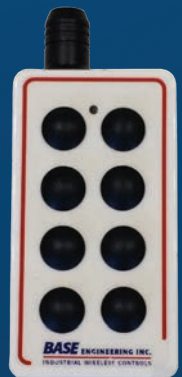
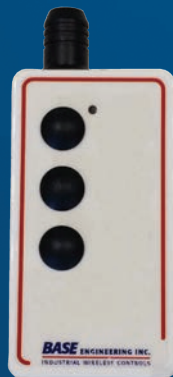
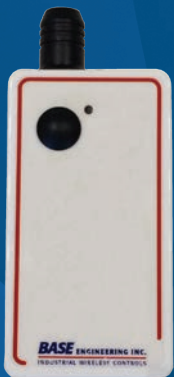
EMERGENCY STOP feature closes all tank valves, and kills the truck engine and pump. BASE's 'safety latched' signal causes the tank valve and pump to remain inoperative until a manual system reset is performed. This system meets international regulatory requirements and is available for all types of pneumatic, cable operated or "Flowmatic" type tank valves, and all truck engines.

- **QUERY**

QUERY option is required on LPG delivery vehicles in some countries and is available on all ASKW systems. This feature requires that the operator periodically press a 'QUERY' button on the remote control to keep the pumping system active. If the operator fails to press the QUERY button within a factory specified time, an audible warning is first sounded followed by activation of the truck's Emergency Stop system. The operator must press the 'QUERY' button during the delivery or audible warning period to reset the timer.

- **PTO**

PTO or PUMP option extends pump life and increases safety by allowing operator to engage and disengage the PTO and PUMP from hose end at the customer's storage tank. Truck PTO shaft is not turning, pump is not running in bypass, and hose is not charged unless connected to the customer's tank. PTO connection can be electric, pneumatic, "hot shift" or "clutch shift". Remote PTO DELAY option automatically opens the tank internal valve 5 seconds prior to engaging PTO, allowing pump and product lines to equalize pressure. This feature prevents an excess flow 'slug' situation which starves the pump of product and may lead to pump failure.



ASKW SYSTEMS ARE AVAILABLE FOR ALL MAKES OF TRUCKS, TANKS AND CHASSIS MOUNTED PUMPING SYSTEMS

● HOSE REEL

HOSE REEL(s) option allows remote unwind and/or rewind control, greatly reducing effort required to pull the hose off the reel or replace it at the end of the delivery. Potential injury is reduced and productivity is increased through easier hose handling. Easy to install pre-wired hose reel motor solenoid and 70Amp breaker included with this option. System design prevents unwind and rewind circuits from being energized at the same time.

● THROTTLE

Engine RPM or THROTTLE option allows operator to increase/decrease truck engine RPM and corresponding pump volume from hose end at customer's storage tank. Operator can begin delivery process, ensure product is flowing safely, then increase pump speed until tank is nearly full. Connections are available for any electronic or mechanical engine control system.

● ENABLE

Enable option can be specified to create a 'two-step' process for activating certain buttons to further prevent unintended button operation.

*Create your own handheld allows for the complete customization for end user application, including custom company logos.



HOSE REEL CONTROL UNIT

Quick-connect remote wire harness can be factory ordered and pre-installed as an option from most major truck manufacturers. 12/24VDC, and RS232, interface connections are also available. All systems use state of the art encryption technology to ensure an interference-free, fail safe signal.

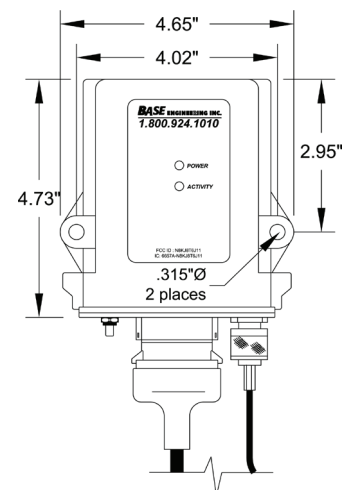
BASE Engineering designs and manufactures its own proprietary radio modules to ensure quality control and optimize performance. Systems are FCC, CE, and ATEX/IECEX approved for use in Global Equivalent to CII, Div 1. Systems comply to USA DOT 49CFR, Canadian CSA B620-14, and International standards for "off truck" remote controls or up-fit new chassis and tanks. Modular components allow for easy installation and field replacement. Air solenoids are extremely rugged and can be direct mounted to chassis allowing hose-end PTO, tank valve, and cargo pump interlock.

HANDHELD TRANSMITTER 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

TRUCK MOUNTED RECEIVER SPECIFICATIONS

POWER SUPPLY	12/24VDC (Optional 110-250 VAC systems available)
CURRENT LOAD	Up to 4 Amps @ VDC per channel or 8 Amps total
CONSTRUCTION	Rugged weather-proof polymer enclosure
ANTENNA	Externally mounted to receiver (optional coax and remote mount antenna available)
WIRING CONNECTIONS	Pre-wired to OEM requirements, quick connect fittings supplied
DIAGNOSTICS	RF activity LED and Power On indication
PROGRAMMING MODES	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