

TRANSMITTER OPERATION

Each transmitter address code has been preset at our factory. The transmitter is powered by a 9 volt battery, an Alkaline battery is recommended.

BATTERY INSTALLATION AND REMOVAL

To install the 9V battery, remove the blue protective silicone boot by gently pulling the boot below the front keypad down and towards the rear of the transmitter. Locate the battery door on the lower back of the unit and gently slide the door down. Connect the 9V battery to the battery clip, while ensuring proper polarization to avoid any damage to the transmitter. Replace the battery cover and protective boot.

OPERATION

To operate the transmitter, Locate the on/off toggle switch at the top of the transmitter and move it to the right (ON). Press the desired button on the front keypad for the corresponding output on the receiver to be operated. While pressing any button on the keypad the red LED will illuminate while the unit is transmitting data. When you are finished operating the transmitter move the on/off toggle switch to the left (OFF) position.

LOW BATTERY INDICATOR

This transmitter uses the red LED to indicate a "low battery condition" allowing the operator ample time to acquire a fresh replacement. After any button on the keypad is pressed and released once the battery has discharged low enough to trigger the "low battery condition" the red LED will flash on/off ten (10) times then extinguish. This level has been set to allow the user to continue to still operate but inform them a fresh battery will be needed soon.

EMERGENCY STOP

This transmitter has a dedicated button to shutdown all outputs on the receiver. By pressing the emergency stop button on the keypad. After pressing this button the transmitter will not allow any further operation. At this point the red LED lamp at the top left of the transmitter will continue to flash on/off for approximately one minute, then the led will extinguish and the unit will go into a low power mode. To exit the EMERGENCY STOP, turn off the transmitter by moving to toggle switch, located at the top of the transmitter, to the left position (OFF) then back to the right position (ON).

ANTENNA

The antenna on the transmitter is of permanent type, if the antenna is ever in need of replacement please return to our factory for repair.

OPERATING THE RECEIVER

Power is supplied through connecting the black AMPHENOL® plug to the mating plug on the LEDWELL air solenoid manifold.

The receiver has the capability of ten (10) outputs, with the option of momentary or latched (on/off) operation. The option of momentary or latched outputs must be determined while the unit is being programmed at our factory.

EMERGENCY STOP

Upon receiving the data stream from the matching transmitter, the receiver will activate a master output which supplies power to all inputs of the receiver outputs. At anytime the signal incoming to the receiver is not valid the receiver will immediately turn off all momentary outputs. If an emergency stop transmission from the matching transmitter is received all outputs, momentary or latched, are turned off and the master output is also turned off preventing any output power from exiting the receiver. During this time the receiver will remain idle for approximately ten seconds and the DATA LED will toggle on and off. Once the DATA LED extinguishes then the receiver can be initialized. Only upon reinitializing the receiver with the matching transmitter will return the unit from the emergency stop condition.

MOUNTING

Although the receiver enclosure is NEMA rated for ideal use in a wide range of adverse conditions. To prevent direct impact of foreign debris it is recommended the receiver be mounted inside the tool box of a Rollback, inside the pneumatic solenoid enclosure located on the Feed body, or inside the framework of a Hydra-tail.

ANTENNA

The antenna is connected to the receiver by connecting the supplied antenna coax to the BNC jack located on the outside of the receiver housing. Details for mounting the antenna to the vehicle and connecting the coax is located on page 7 of this manual.

PER FCC RULES 15.21

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

WARRANTY

Ledwell & Son Enterprises, Inc. will repair or replace the transmitter and/or receiver due to manufacturing defects and electronic component defects under normal use for a period of one year from date of purchase.

This warranty is limited to replacement or repair at our factory after being inspected and appear to Ledwell & Son Enterprises, Inc. to be defective by defects during manufacturing or failure of electrical and electronic components under normal conditions.

Ledwell & Son Enterprises, Inc. shall not be obligated any cost of transportation, labor of any part being found defective due to misuse, physical damage or damage caused by transient voltage spikes due to the vehicle electrical system or by use of any type of cutting or welding systems used on the vehicle that the unit was installed on.

Ledwell & Son Enterprises, Inc. will not warranty any product of this system where repairs, modifications or any alterations have been made other than by Ledwell & Son Enterprises, Inc.

As technology changes we strive to improve on our design to employ features that will provide ease of use and safety to our customers. At anytime, Ledwell & Son Enterprises, Inc. reserves the rights to improve on our design or the material used without be obligated to modify or replace any units previously sold.

RETURNS

If a repair is needed for any part this wireless controller please call (903) 838-6531. Our shipping address is :

Ledwell & Son Enterprises, Inc.
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