

# C.A.W. SALT SAND SPREADER INSTALLATION MANUAL

This unit has been tested and transmitter programmed.

## Wiring Installation Diagram for SALTSANDER

**ATTENTION AT NO TIME SHOULD THE BATTERY CABLES BE DISCONNECTED FROM THE ENGINE STARTER WHILE HOOKED UP TO THE REMOTE UNIT. IF THE BATTERY IS DISCONNECTED THE ENGINE WILL SEND OVER 60 VOLTS TO THE RECEIVER UNIT AND BURN THE UNIT OUT which voids 60 day warranty.**

Yellow wire is activated by button #1 Latch/Unlatch conveyor / spinner on off (L)  
Not used/button #2

Green wire is activated by button #3 Throttle control (throttle UP) (U) button

Blue wire is activated by button #4 Throttle control (throttle DOWN) (D) button

Brown wire is activated by button #5 Momentary engine start (E) button

Orange wire is activated by button #6 Momentary to ground/kill motor (STOP) button

Not used button #7 & 8

Red wire is DC power supply

Black wire is DC ground

**MAKE SURE YOU HAVE SECURE AND CLEAN CONNECTIONS EVERYWHERE**

This unit will replace your oem controller. Before installing locate and be familiar with the original equipment wiring to assist in where to attach the wires from this unit.

**No more than 14 amps total at any given time can run through the receiver. We recommend the use of 10 amp diodes on the control wires to prevent any power feedback into the receiver. For higher amp uses you must use relays... with the unit. It is recommended to wire in a on off switch on the power (red wire) of the receiver to prevent battery drainage when the unit is not in use.**

### **Intended usage:**

CAW has no control over the end usage of the 500 series wireless units.

Because of this, CAW recommends that these units are intended for **OFF-ROAD** use only. CAW offers no written or expressed liability as to how this unit is used

## **Set-up and operation**

All 500 controllers come factory programmed. This gives a matched (1 of 16 million combinations @ 418MHz interface between the Transmitter and base unit.

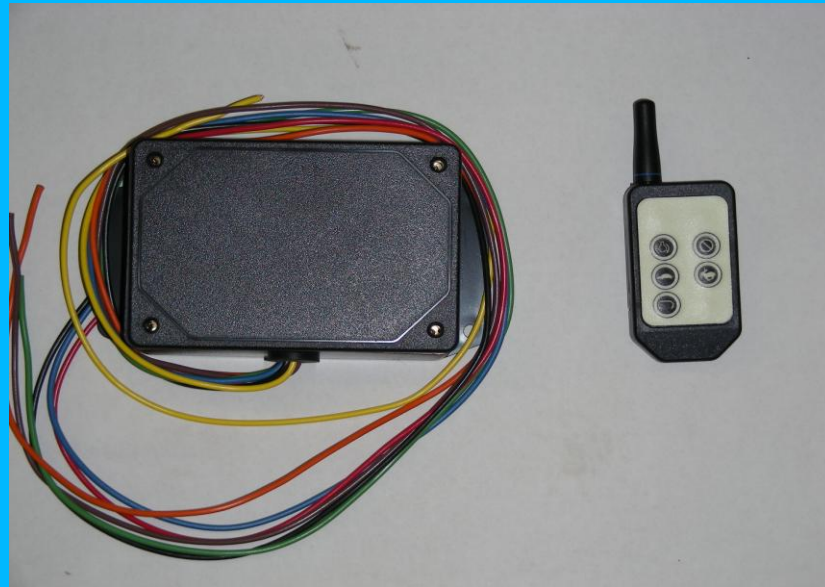


Fig 2 Transmitter and base unit

## **Set-up of transmitter to base unit. You should only need to do this if you replace the battery in your transmitter. Otherwise unit is preprogrammed.**

Please follow these steps

- Power up the base unit
- On the backside of the 8 button transmitter remove the small black rectangle shaped cover to the left of the belt clip. Using a paperclip depress the small black button on the inside and release. (if working properly a blue light in the transmitter will blink)
- Flip the transmitter over and push each button individually to send the address to the receiver / base unit.
- **THEN WAIT UNTIL THE BLUE LIGHT STOPS BLINKING AND PROCEED.**
- Go to the receiver / base unit (take cover off) and push the learn address button next to the LED. The red LED will begin to flash
- Again push each button on the transmitter to save that unique address.
- Push the black button on the receiver / base unit to end the programming mode and the red LED will stop flashing.

Your Controller is now ready for use.

### Battery Replacement

The transmitter uses a standard lithium button cell battery. In normal use it will provide 1 to 2 years of operation. To replace the battery, gently pry the battery cover off. Remove the battery by sliding it out from underneath the retainer. Observe the battery polarity when replacing. Once the battery is replaced, repeat the above steps to set a new address between the transmitter and the receiver / base unit.

### Other Considerations

Only one transmitter at a time can be activated within a reception area. Only one carrier of a particular frequency may occupy the same airspace at a given time. This means that if two transmitters are activated in the same area at the same time the signals will interfere and the decoder on the receiver will not see a valid transmission and the RF-500 will not function.