

Section 1

General Description

The ClearPath Spectrum Wireless System is comprised of two devices; a Coordinator (S-COR) that functions in a similar role as traditional wireless system receivers, and a Transceiver (S-TRX) that functions in a similar role as traditional wireless transmitters, but this is where the similarities end. The Spectrum Wireless System provides several industry firsts:

- Digital two-way communication allows for greater security and ensures successful signal transmission between devices.
- LCD screen for quick and easy programming (S-COR).
- Upon switch activation, the Transceivers communicate valuable information that is displayed on the LCD screen including: device ID, signal strength and battery monitoring.
- Pairing of multiple Transceivers with Coordinators.
- Two built-in outputs (S-COR).
- 3 year battery life (S-TRX).

ClearPath Spectrum products operate at 2.4 GHz, making the wave length more than 5 times shorter than commonly-used frequencies. Shorter waves pass through cracks and barriers easier, and Transceivers will continue to attempt to contact the Coordinator until it receives an acknowledgement.

OPTIONS:

S-TRX-HH = Hand-Held Spectrum Transceiver with Button

S-TRX-12 = Spectrum Transceiver with 12" Wires for Connection to Products by Others

Section 2

Basic Installation

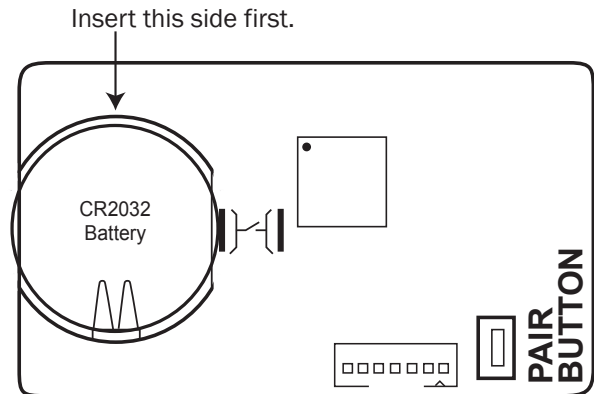
- 1) Remove the cover of the enclosure.
- 2) Install CR2032 battery (Energizer Recommended).
- 3) Take the Transceiver to the Coordinator location and place the Coordinator into pairing mode (See S-COR Installation Manual).



NOTE: The easiest way to confirm successful pairing of Transceivers (S-TRX) is to first connect the Coordinator to the operator control so that it is ready for programming and then pair all Transceivers **at the Coordinator location**. When the pairing button on the Transceiver is pressed, the pairing confirmation message "Device Paired" is displayed on the Coordinator LCD screen.

- 4) Press the PAIR Button on the Transceiver PCB once Coordinator is ready (See Fig. 1).
- 5) The Coordinator LCD screen will display "Device Paired" upon successful pairing.

**FIGURE 1
Transceiver Circuit Board**



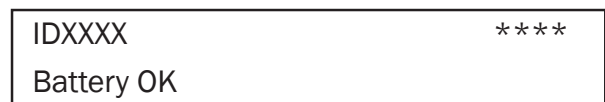
- 6) Replace cover of the enclosure.
- 7) Verify operation by pressing the Activate Button.
- 8) For the S-TRX-12, attach the wires to the actuating device as appropriate.

Section 3

Operational Mode

In operational mode, whenever a Transceiver is activated, the Coordinator screen will display the following information: ID, battery status and signal transmission strength (See Fig. 2).

**FIGURE 2
S-COR Screen when S-TRX is Activated**



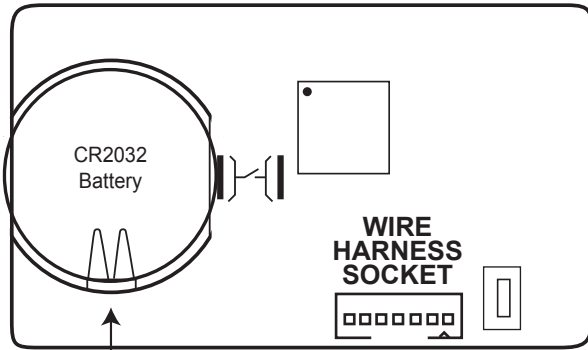
Transceiver ID:	4 digit automatically assigned
Signal Strength:	**** Optimal *** Good ** OK * Weak
Battery Status:	Battery OK Replace Battery

Section 4

Maintenance

For best results, change the battery every 3 years, or as needed. To remove the current battery, use a small flat-head screwdriver, approaching from the wire harness socket side of the pcb as shown (See Fig. 3).

FIGURE 3
Transceiver Circuit Board



Remove battery from this side.