S-TRX (-HH, -12)

Spectrum Transceiver Hand Held & Retrofit ***INSTALLATION INSTRUCTIONS***

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

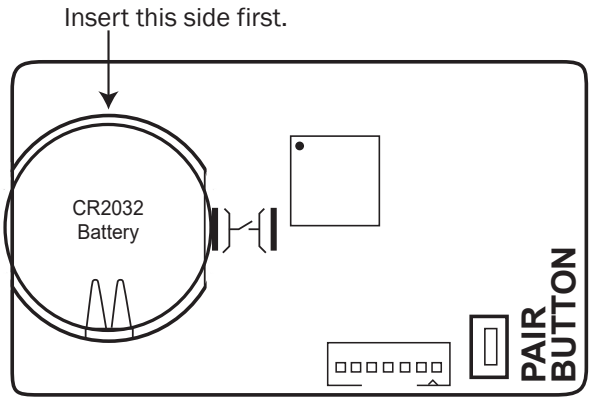
Basic Installation

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 Coordnator 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

IDXXXX	****
Battery OK	

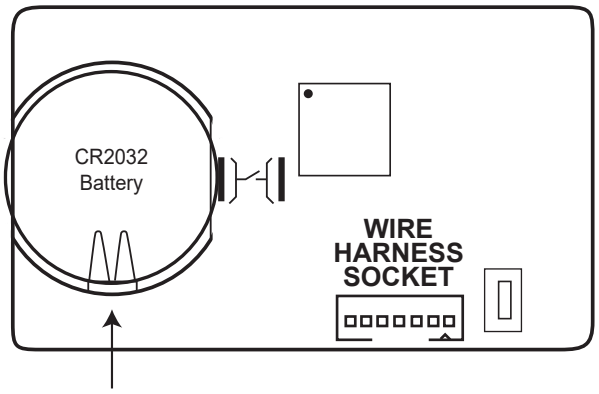
Transceiver ID:	4 digit automatically assigned	
Signal Strength:	****	Optimal
	***	Good
	**	OK
	*	Weak
Battery Status:	Battery OK	
	Replace Battery	

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.