

ENFORCER®

Wired Long-Range RF Transmitter

HL-951T1-SWQ (917MHz)

Installation Manual



The ENFORCER HL-Series RF transmitters and receivers offer significantly increased range with greatly increased immunity to interference, whether physical obstacles, temperature extremes, or other environmental factors. The wired transmitter allows you to easily make other devices wireless.

- Includes one 3VDC lithium battery (CR-2032)
- May also be powered by an external 4.5~13 VDC external regulated adapter (not included)
- Frequency – 917MHz*
- Operating range up to 1,800ft (550m)†
- Over 2.028×10^{31} possible codes
- LED transmission and low-battery indicator
- Compatible with all SECO-LARM HL-series receivers of the same frequency
- Also available without logo – HL-951T1-SWUQ

*868MHz also available with CE certification

†Actual range will vary depending on the installation and operating environment

SECO-LARM®

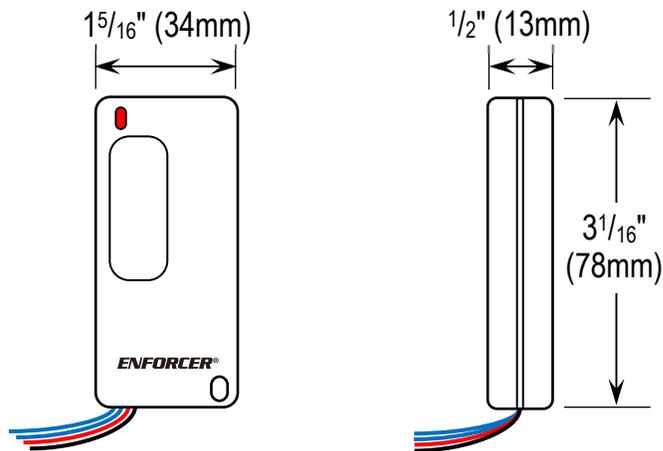
Specifications

Type		Wired RF transmitter
Wiring	Switch	Two 6" N.O. blue wires
	Power	Two 6" wires (red +, black -)
Power	Battery	1x 3VDC button battery (CR-2032, included)
	External	4.5~13 VDC regulated adapter
Battery life		Up to 10 years*
RF Frequency		917MHz†
Operating range		up to 1,800ft (550m)‡
# of Buttons		1
Channels		1
Code combinations		Over 2.028×10^{31} possible codes
Dimensions		$3\frac{1}{16}" \times 1\frac{5}{16}" \times \frac{1}{2}"$ (78x34x13 mm)

*Calculated based on ten 1-second button presses per day. †868MHz also available which has CE certification

‡Actual operating range will vary based on installation and operating environment

Dimensions



Installation

External Switch Connection

To control a device wirelessly, install an ENFORCER HL-series RF receiver to the device to be controlled and use the ENFORCER HL-951T1-SWQ transmitter to control it remotely. The wired transmitter can control the remote device directly or attached to an external N.O. switch* (a button, contact, or sensor). If installed to an external switch, the switch can have sole control (with the transmitter button disabled), or so that either the external switch or the transmitter can control the remote device (see also the *Installation Notes* on the following page).

Using the Transmitter's Built-In Button

The transmitter can be used directly with the battery or can be connected to an external regulated power adapter* (see Fig. 1).

If using an external power adapter, the internal battery may be removed or can serve as a backup in case of a power failure.

NOTE: Any unused wires must be insulated against any accidental contact to avoid a short circuit.

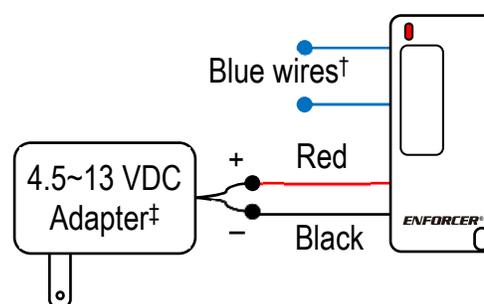
Using an External Switch with Sole Control

An external N.O. switch* (e.g., a button such as an RTE, a contact, or a sensor) may be connected inline so that the transmitter functions solely as an RF wireless add-on to the external switch. This requires the use of an external regulated power adapter*.

1. Remove the battery.
2. Connect the blue wires together.
3. Connect the N.O. switch inline between the external power adapter and transmitter as shown in Fig. 2.

NOTE: If connected to an external power-on switch, you must remove the battery to disable the built-in button so that it can only be controlled by the power-on switch (see Fig. 2).

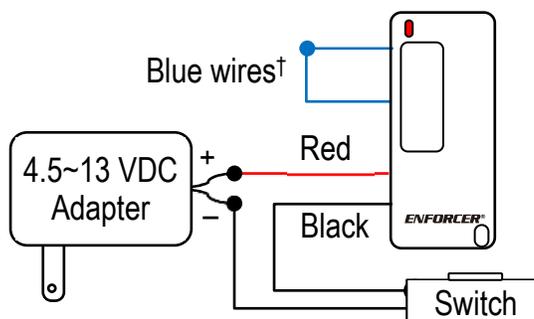
Fig. 1 Built-in button



†Insulate unused wires

‡AC Adapter optional

Fig. 2 External inline power-on switch



†Connect the blue wires. The battery must be removed in this situation.

*External switch and regulated power adapter not included.

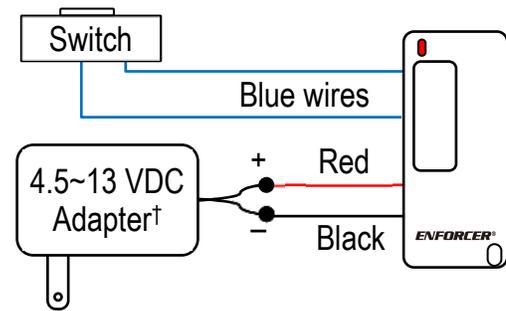
Installation – External Switch Connection (Continued)

Using an External Switch and the TX Button

If you desire to have the option of using either the external switch or the transmitter button to control the remote device, connect as follows (see Fig. 3).

1. Connect the external N.O. switch to the blue wires.
2. Connect the regulated power adapter positive (+) to the transmitter red wire and negative (-) to the transmitter black wire.
3. Do not remove the transmitter battery, if you wish to allow the transmitter button to also control the remote device.

Fig. 3 External switch and built-in button



†AC Adapter optional. If not used, insulate red and black wires.

INSTALLATION NOTES

- Any wires not in use must be insulated to avoid a short-circuit.
- Do not let the red wire touch any other wire. Doing so may burn out the transmitter.
- If using an external power adapter, the factory-installed lithium CR-2032 battery will serve as a backup in case of power interruption (Battery must be removed for external inline power-on switch).

Power Connection

The HL-951T1-SWQ can be powered by the factory preinstalled 3VDC lithium battery (CR-2032) or by an external 4.5~13VDC output regulated adapter (not included).

When using an external power adapter, correct polarity is imperative. Connect the transmitter's red wire to the adapter's positive output and the black wire to the adapter's negative output (see Figs. 1, 2, and 3 on the previous page).

NOTES

- The power input range of the wired transmitter is 4.5~13VDC and is polarity sensitive. Connecting more than 13VDC or reversing the polarity will burn out the unit and void the warranty.
- Use only "regulated" adapters to power the wired transmitter.
- The LED indicator will flash slowly when the button is pressed to indicate a low battery.

Troubleshooting

Range is diminished

- Check the battery if not using an external power source. Change to a fresh battery if needed.
- Check for interference or obstructions.

Accessories Available from SECO-LARM

HL-Series 1-Channel Receiver



HL-951R1-SQ

HL-Series 2-Channel Receiver



HL-951R2-SQ

3VDC Lithium Battery (CR-2032)



X-930-096

FCC COMPLIANCE STATEMENT (HL-951T1-SWQ)

FCC ID: K4E951T1SW

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

IMPORTANT: Users and installers of this product are responsible for ensuring that the installation and configuration of this product complies with all national, state, and local laws and codes. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or codes.

California Proposition 65 Warning: These products may contain chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

WARRANTY: This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for one (1) year from the date of sale to the original customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM and the purchaser's exclusive remedy, shall be limited to the replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damage of any kind to the purchaser or anyone else.

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