

## HL-Series RF Transmitters/Receivers

The ENFORCER HL-Series RF transmitters and receivers use digital modulation for improved immunity to interference, better signal penetration in environments with heavy obstructions, and significantly longer range of up to 1,800ft (550m)\* line of sight. The transmitter's ultra-low power consumption gives you longer battery life with easy-to-obtain coin-type batteries (CR-2032).

### Features

- Armor piercing technology for improved penetration
- Improved immunity to background interference
- Better penetration of physical obstacles
- 1- or 2-Channels available
- Available in both 900MHz and 868MHz versions
- All are FCC or CE certified†



HL-951R2-SQ shown

HL-951T2-SQ shown

900MHz /  
868MHz

Up to  
48VDC

Power-  
Efficient  
Transmitter

PCB  
Antenna

### Receiver Features

- Wide voltage range, 10~24 VAC or 9~48 VDC
- PCB antenna – no external antenna to be installed, adjusted, vandalized, or damaged
- Five individually programmable output modes
- Up to 99 button codes per channel
- Programming by switch, no need to cut jumpers
- LED Indicates RF reception and programming functions
- RF Signal strength / site survey test mode to find optimal installation location
- Compatible with all SECO-LARM HL-series transmitters of same frequency

### Transmitter Features

- Patented slim-style case design
- Consistent transmission as temperature varies and battery voltage drops
- Available in 1- or 2-button models
- IP68 Waterproof
- Up to 10 years battery life‡

### OEM and Private Label available

- Convert your product to wireless control
- All products are FCC or CE certified† to bring your products to market faster
- Contact Superior Electronics for more info

\*Actual operating range will vary depending on the installation and operating environment.

†900MHz models are FCC certified, 868MHz models are CE certified

‡Calculated based on ten 1-second button presses per day.

### Superior Electronics Corporation

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ENFORCER® SECO-LARM® CRIMEBUSTER® CBA® SLI®

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# ENFORCER HL-Series RF Transmitters/Receivers

## Specifications Comparison

### Transmitters

Model	HL-951T1-SQ	HL-951T2-SQ	HL-851T1-SQ	HL-851T2-SQ
Operating frequency	917MHz		868.35MHz	
Certification	FCC		CE	
Number of buttons	1	2	1	2
Battery	CR-2032 Coin-type x2			
Dimensions	3 <sup>1</sup> / <sub>16</sub> "x1 <sup>5</sup> / <sub>16</sub> "x1 <sup>1</sup> / <sub>2</sub> " (78x34x13 mm)			

### Receivers

Model	HL-951R1-SQ	HL-951R2-SQ	HL-851R1-SQ	HL-851R2-SQ
Operating frequency	917MHz		868.35MHz	
Certification	FCC		CE	
Memory capacity	99 transmitter button codes per channel			
Operating voltage	10~24 VAC, 9~48 VDC			
Operating current	Standby	8mA@12VDC / 5mA@24VDC / 3mA@48VDC (typical)		
	Active	100mA@12VDC / 50mA@24VDC / 25mA@48VDC per channel		
Relay output	Type	Independent, sequence, access control		
	Modes	1~99 sec momentary (default, 1s), 1~99 min momentary, toggle, latch, follow (validity)		
Relay contacts	Number	1	2	1
	Rating	Form C 10A@14VDC		
Digital display	2-Digit, 7-segment LED			
Connectors	Screw terminals, +, -, with NO/NC/COM per relay			
Operating temperature	-40°~167° F (-40°~75° C)			
Dimensions	3 <sup>15</sup> / <sub>16</sub> "x2 <sup>1</sup> / <sub>2</sub> "x1 <sup>3</sup> / <sub>16</sub> " (100x63x30 mm)			

NOTE: The transmitter and receiver must be of the same operating frequency.

## Ordering Information

Model	Description	Type	Channels	Frequency	Certification
HL-951T1-SQ	1-Button pocket-sized pendant	Transmitter	1	917MHz	FCC
HL-951T2-SQ	2-Button pocket-sized pendant	Transmitter	2	917MHz	FCC
HL-951R1-SQ	1-Channel receiver	Receiver	1	917MHz	FCC
HL-951R2-SQ	2-Channel receiver	Receiver	2	917MHz	FCC
HL-851T1-SQ	1-Button pocket-sized pendant	Transmitter	1	868.35MHz	CE
HL-851T2-SQ	2-Button pocket-sized pendant	Transmitter	2	868.35MHz	CE
HL-851R1-SQ	1-Channel receiver	Receiver	1	868.35MHz	CE
HL-851R2-SQ	2-Channel receiver	Receiver	2	868.35MHz	CE

OEM/ODM Available – All are FCC or CE certified to get your products to market faster. Contact us for details.

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