

SpreadNet™

Model SN970-PANIC SN971-HOLDUP

RF Holdup, Panic Transmitter Installation Instructions

The SpreadNet Models SN970-PANIC (single button) and SN971-HOLDUP (two button) Transmitters are truly universal transmitters.

By using Spread Spectrum technology, the SN970-PANIC and SN971-HOLDUP transmitters provide higher power, lower noise levels, less interference, and longer range than obtainable with most single-frequency RF transmitters, resulting in increased reliability. The user has the option of selecting from two different designs. The SN970-PANIC is a single-button design which provides a larger silent button for ease of activation. To provide a higher degree of security and reduce the possibility of false alarm or accidental activation, there is the SN971-HOLDUP. The SN971-HOLDUP is a two-button design which requires that both buttons be pressed simultaneously to activate the alarm.

FEATURES:

- Spread Spectrum Technology
- Single or 2-button Operation
- Simple Installation
- Programmable Check-In Rate
- EEPROM Memory
- Cover Tamper Switch
- Silent Operation
- Lithium Batteries (Included)
- 100 mW Transmitter Power
- 5-year Battery Life

MOUNTING LOCATION

The SN970-PANIC and SN971-HOLDUP Transmitters may be mounted in virtually any location. The transmitter may be mounted directly to the wall or installed on the removable bracket provided with the transmitter. (See Figure 1 below.) Do NOT mount the transmitter near screens or heavy metal objects. The transmitter may be mounted in either a vertical or horizontal position; orientation is not critical. When mounting the transmitter, select a location and temporarily mount the unit while verifying reception of the RF signal. (See "Scan for One Transmitter" in the SN900-PROG RF Programming Manual P/N 5-

051-136-00.)

MOUNTING PROCEDURE

The SN970/971 Transmitters come supplied with a convenient mounting bracket (see Figure 1) for easy installation. The bracket may also be used as a template for marking the mounting holes.

If more security is required, the transmitter may be mounted directly without using the mounting bracket. When mounting the transmitter directly on the wall, the cover and the printed circuit board must be removed from the housing. To open the transmitter housing, orient the unit as shown in Figure 1. Insert a small screwdriver or pen point into the slot opening at the top of the transmitter housing and gently push in, releasing the tab holding the cover in place. Remove the cover and release the tab near the top of the transmitter housing which holds the circuit board in place. Remove the printed circuit board and mount the transmitter housing in its desired location.

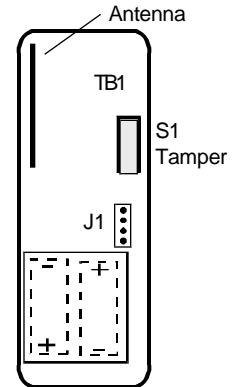


Figure 2 - PCB Layout

Warning: When removing the PCB, do NOT use the antenna to remove the board. Handling or bending the antenna could damage the circuit board with the orientation shown in Figure 2 (batteries are in the transmitter and the antenna is toward the bottom of the housing).

The final step prior to programming and testing the transmitter is to activate the batteries. This is accomplished by removing the Battery Activator Tab. See Figure 3 for location of the Tab.

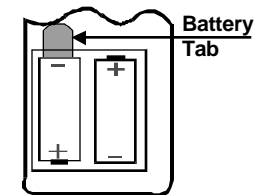


Figure 3 - Battery Tab Location

Note: For continued reliability, test the SN970-PANIC/SN971-HOLDUP at least once per year.

To program the SN970-PANIC and SN971-HOLDUP Transmitters, refer to the SN 900-PROG Programming Manual (P/N 5-051-136-00).

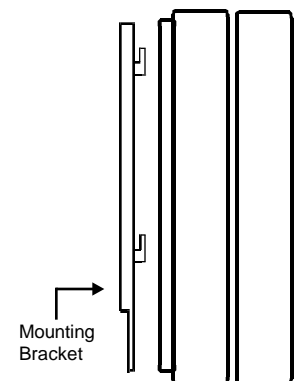
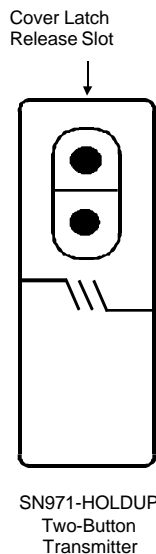
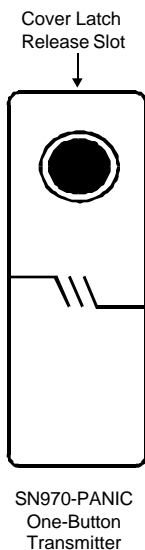
U.L. Compliance

For Grade A household burglar alarm and household fire warning system applications using the C&K System 2316 Control Panel:

All transmitters must be supervised.

Only one transmitter may be installed per zone.

Figure 1 - Transmitter Housing



SN970-PANIC / SN971-HOLDUP
Housing - side view with mounting
bracket

Transmitter Device ID

After the SN970-PANIC or SN971-HOLDUP has been programmed and tested, fill out the Transmitter Device I.D. Label (included in the installation package) and mount the label inside the transmitter.

The following procedure is recommended for mounting the label:

1. Open the front cover of the transmitter.
2. Remove the PCB from the housing.
3. Remove the adhesive backing from the label and place the label at the bottom of the housing.
4. Replace the PCB and close the cover.

A sample of a completed Transmitter Device ID Label is shown below:

P. CODE	0253	P. CODE - The System Property Code.
CHANNEL	2	CHANNEL - Spread Spectrum selected by the system.
ZONE	01	ZONE - Control panel zone number associated with the transmitter.
DEVICE	01	DEVICE - The number of the device associated with the zone.*
CHECK-IN	20	CHECK-IN - Supervisory interval (in seconds)
BATTERY	4/27/93	BATTERY - Date batteries installed

* For systems using the SN910-RCVI/O, this value must be 1. If additional devices are installed on the same zone, only one device will be supervised. Also, systems having more than one device per zone cannot determine which device generated the alarm, low battery, or supervisory failure.

FCC NOTICE

The Model SN970-PANIC and SN971-HOLDUP Transmitters generate and use radio frequency energy. If not installed and used in accordance with the manufacturer's instructions, they may cause interference to radio and television reception. The SN970/971 Transmitters have been tested and found to comply with the specifications in Part 15 of FCC Rules for Class B Computing Devices and FCC Part 15 Subpart C, Specifications for Intentional Spread Spectrum Radiators.

If this equipment causes interference to radio or television reception - which can be determined by turning the equipment on and off - the installer is encouraged to correct the interference by one or more of the following measures: 1) Reorient the antenna of the radio/television. 2) Connect the AC transformer to a different outlet so the control panel and radio/television are on different branch circuits. 3) Relocate the control panel with respect to the radio/television.

If necessary, the installer should consult an experienced radio/television technician for additional suggestions, or send for the "Interference Handbook" prepared by the Federal Communications Commission. This booklet is available from the U.S. Government Printing Office, Washington D.C., 20402, stock number 004-000-00450-7.

CAUTION: C&K does not support field changes or modifications to any of the SpreadNet RF equipment unless they are specifically covered in this manual. All adjustments must be made at the factory under the specific guidelines set forth in our manufacturing processes. Any modification to the equipment could void the user's authority to operate the equipment and render the equipment in violation of FCC Part 15, Subpart C, 15.247.

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 undesired operation.

Specifications

- **Dimensions:**
Transmitter w/o spacer:
4.5" L x 1.56" W x 1.125" D
(11.5 cm x 4 cm x 2.86 cm)

Spacer thickness: 0.1" (0.25 cm)
 - **Operating Environment:**
32° to 140° F (0° to 60° C);
up to 95% relative humidity
(non-condensing)
 - **Operating Frequency:**
902 - 928 MHz
Spread Spectrum
 - **Input Power:**
two 3.6VDC 1/2AA lithium batteries
 - **RF Emission standards:**
USA: FCC Part 15
CANADA: Industry Canada
 - **Output Power:**
100 mW
transmitting period - 7.6 mSec
 - **Weight:**
4 oz. (113 g)
 - **Replace Batteries only with**
C&K Model # SN31L-BAT
SAFT Model # LS3
Tadiran Model # TL-2150/S
 - **Supervisory Rate:**
30 - 300 sec (10 sec intervals)
0 is unsupervised
 - **Transmitter Spacer**
P/N 5-532-511-01
- NOTE: Replace Batteries every 5 years**

LIMITED WARRANTY

Seller warrants its products to be in accordance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for **18 months** from the date stamp control on the product; or for products not having a C&K Systems date stamp, for **12 months** from the date of original purchase, unless the installation instructions or catalogue sets forth a shorter period, in which case the shorter period shall apply.

Seller's obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labor, any part which is proved not in compliance with Seller's specifications or proves defective in materials or workmanship under normal use and service. This warranty is void if the product is altered or improperly repaired or serviced by anyone other than an authorized C&K factory service center. Contact your local C&K distributor for the service center location nearest you.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. In no case shall Seller be liable to anyone for any consequential or incidental damages for breach of this or any other warranty, express or implied, or upon any other basis of liability whatsoever, even if the loss or damage is caused by Seller's own negligence or fault.

Seller does not represent that its product may not be compromised or circumvented; that the product will prevent any personal injury or property loss by burglary, robbery, fire, or otherwise; or that the product will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm system may only reduce the risk of burglary, robbery, or fire without warning, but it is not insurance or guarantee that such will not occur or that there will be no personal injury or property loss as a result. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THAT THE PRODUCT FAILED TO GIVE WARNING. However, if Seller be held liable, whether directly or indirectly, for any loss or damage arising under this Limited Warranty or otherwise, regardless of cause or origin, Seller's maximum liability shall not in any case exceed the purchase price of the product, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against Seller.

This warranty replaces all previous warranties and is the only warranty made by C&K on this product. No increase or alteration, written or verbal, of the obligation of this warranty is authorized.