

INSTALLATION GUIDE

Description

The 5882EUHS RF Receiver is designed for use with Honeywell Ademco Vista-series Controls that support the receiver connection via the remote keypad connection points. The receiver recognizes alarm and status messages from SECOM series wireless RF peripherals/transmitters operating at 868.250 MHZ. These messages are processed and relayed to the control panel via a 4-wire connection to the control's remote keypad terminals.

The number of transmitters that a receiver can support depends on the control with which it is used. See the control's instructions for specific details.

Several individually identified receivers can be used, depending on the control used. Connection of multiple receivers to a control can be made for redundant coverage or for extended coverage of large areas. Multiple receivers do not increase the number of transmitters that the system can support. See the control's instructions regarding the number of receivers and keypads that can be supported.

The 5882EUHS features a Spatial Diversity antenna system, which virtually eliminates the possibility of "Nulls" and "Dead Spots" within the coverage area. In addition, the 5882EUHS includes a very selective RF helical filter to reduce the possibility of interference. The antennas are located inside the tamper-protected polycarbonate case.

Installation

The Installation and Setup Guide that accompanies the control includes recommendations regarding receiver and transmitter locations, the types of wireless zones that can be programmed (e.g. ENTRY/EXIT, INTERIOR, PERIMETER, ETC.), and the procedure for programming the system.

The receiver should not be installed in an area subject to environmental extremes of below freezing temperatures (such as an unheated warehouse) or extremely high temperatures (such as an attic). Avoid mounting the transceiver against a metal surface. To install,

1. Remove the receiver's cover by inserting and twisting a screwdriver blade in the slot in the cover's lower edge.

2. Mount the receiver as follows:
 - a. If concealed wiring is to be used, it should be routed through the rectangular opening at the rear of the base before mounting. For surface wiring entry, cut away one of the thin wall sections located on the left, right, and bottom edges of the cover.
 - b. Mount the receiver in the selected location. For greatest security, use all four mounting holes (two key slot holes and two round holes) provided in the base. If wall removal tamper protection is desired, mount a screw through the hole in the breakaway tamper release tab located on the base.
 - c. Affix the receiver's Summary of Connections label to the inside of the housing cover.
3. Set the receiver's DIP switches to identify the receiver's address and mode of operation as indicated in the table in the Diagram at the end of this document.
4. Connect the receiver's 4 wires to the control's corresponding remote keypad connection points and make sure that the wiring plug is inserted in its socket on the right side of the receiver's circuit board.
5. Mount either the bent interior antennas (per the diagram) for CENELEC and local regulatory compliance or the straight exterior protruding antennas for maximum sensitivity (range).
6. Replace the receiver's cover and secure with a screw through the locking tab at the bottom of the cover.
7. Proceed with the installation of the system's wireless transmitters as described in the control's installation instructions. This should include the Go/No Go test (to check signals received from the transmitter locations).

LED Indications

RF Activity LED: When lit, this LED indicates strong local radio frequency interference. If continuously lit, the transceiver should be relocated.
CPU Fail LED: If lit, the unit's microprocessor must be reset. Disconnect the wiring plug, wait 5 seconds, then reconnect the wiring plug.

Enrolling SECOM Series Wireless Devices

IRX800HF PIR Sensor or DOD800HF Door/Window Sensor

1. Program as Zone Type 03 (Perimeter)
2. Program as Input Type 03 (Supervised RF Transmitter)
3. When prompted for the Serial Number, transmit two open and close (or close and open) sequences by faulting the sensor's Tamper Switch.

DTO800HF Heat/Smoke Detector

! Do not use a sharp tool to depress the tamper switch, as this may break off the switch plunger.

1. Program as Zone Type 09 (Fire)
2. Program as Input Type 03 (Supervised RF Transmitter)
3. When prompted for the Serial Number, transmit two open and close (or close and open) sequences by performing the following steps:
 - a. Insert the detector head into the base by turning it clockwise. This will activate the tamper switch.
 - b. Wait 10 seconds.
 - c. Unscrew the detector head by turning it counterclockwise.
 - d. Repeat steps a - c to confirm the serial number.

BVA800HF Glassbreak Detector

1. Program as Zone Type 07 (24-hour Audible Alarm)
2. Program as Input Type 03 (Supervised RF Transmitter)
3. When prompted for the Serial Number, transmit two open and close (or close and open) sequences by faulting the sensor's Tamper Switch.

TC805HF Remote Keyfob

1. Enter Zone Type (For detailed definitions of each zone type refer to the Installation and Setup Guide for the panel being installed.)
2. Enter Input Type 05 (RF Button Type Transmitter-BR type)



With the exception of the panic function, the TC805HF does not transmit until the buttons have been released. The panic functions transmit as soon as the two-button combination is depressed.

3. When prompted for the Serial Number, transmit two open and close (or close and open) sequences by pressing and releasing the selected button. Wait approximately four seconds before pressing the button again.
4. Each button must be enrolled as separate zones. Repeat steps 1-3 for the remaining buttons.
5. The "fifth" (panic) button transmits with a different serial number. To enroll the phantom "fifth" button, press and hold the two buttons marked "SOS".

CLI810HF/CSK800HF Monodirectional Keypad



Prior to enrolling the keypad in the Vista-series Control Panel you must set up Security Codes and Prox Tags (if supported). No interaction with the panel is required. Refer to the Installation Instructions for the CLI/CSK800HF.

1. Enroll tamper and supervision functions as follows:
 - a. Program as Zone Type 07 (24 Hr. Audible)
 - b. Program as Input Type 03 (Supervised RF Transmitter)
 - c. When prompted for the Serial Number, transmit two open and close (or close and open) sequences by faulting the keypad's tamper switch.
2. Set up "Global features" (if desired). If Anonymous (no security code) System Arming has been enabled in the CSK's setup, you must enroll this feature in the Vista-series control as follows:
 - a. Program a zone as Zone Type 20 (Arm-Stay) or 21 (Arm-Away)
 - b. When prompted for Input Type, enter 05 (RF button-type transmitter-BR type)
 - c. When prompted for a serial number, transmit two open and close sequences by pressing and releasing the Total Arming button. Repeat to confirm.
3. Set up the Panic feature as follows:
 - a. Program a zone for the applicable 24-hour Zone Type (For detailed definitions of each zone type refer to the Installation and Setup Guide for the panel being installed.)
 - b. When prompted for Input Type, enter 05 (RF button-type transmitter-BR type)
 - c. When prompted for a serial number, transmit two open and close sequences by pressing and releasing the PANIC button. Repeat to confirm.
4. Set up the keypad Anti-Fraud Blocking feature as follows:
 - a. Program a zone for the applicable Zone Type (For detailed definitions of each zone type refer to the Installation and Setup Guide for the panel being installed.)
 - b. When prompted for Input Type, enter 05 (RF button-type transmitter-BR type).
 - c. When prompted for a serial number, press a random key 21 times to activate the keypad Anti-Fraud Blocking. Press the "*" key to confirm, OR
Manually copy the serial number entered during Anonymous System Arming or Panic Enrollment above, and manually enter loop 2.



You must wait 5 minutes for the keypad tamper state to be cleared out of the CSK.

5. Set up Relays (if desired). The CLI/CSK can control up to 10 relays. These can be used to trigger any panel-supported behavior (e.g. X-10 events). The detailed procedure for programming relays depends on the Control Panel being used.

For residential panels (e.g., Vista-12/48D), you may use the CSK relay function as follows:

- a. Program each of the "relay on" and "relay off" sequences as separate zones, using Zone Type 23 and Input Type 5 "BR" (RF button-type transmitter).
- b. When prompted for a serial number, activate the desired relay command on the CSK (refer to the CSK800HF Installation Instructions).



When enrolling an "On" function, Loop 1 will be indicated. When enrolling an "Off" function, Loop 2 will be indicated.

- c. In Output Programming, program one output function to "close" a relay on a fault of the "Activated By" zone.
- d. Program another output function to "turn off" the same relay on a fault of the "Activated By" zone.

For commercial panels (e.g., Vista-120), you may use the CSK relay function as follows:

- a. Program the "relay on" sequence as a zone, using Zone Type 23 and Input Type 05 "BR" (RF button-type transmitter).
- b. When prompted for the serial number, activate the desired relay command on the CSK (refer to the CSK800HF Installation Instructions).



When enrolling an "On" function, Loop 1 will be indicated.

- c. Re-enter zone programming for the zone. Press * until you see the Input Type prompt, and change it to 04 "UR" (Unsupervised RF Transmitter). Press * through the remaining prompts to save programming for that zone.
 - d. Program one output function to "close" a relay on a fault of the "Start" zone. You do not need to program a "Stop" function. Both "relay on" and "relay off" buttons will function.
6. Set up Users. Enroll any of the four principal user-specific functions (arm total, disarm, arm partial, arm annex) corresponding to each user that was enabled while programming the CSK. Each "user" transmits as a different serial number. The CSK supports the full range of ten

users, four functions per user. Each function is enrolled as a zone with the appropriate zone type (e.g. Arm Away), and Input Type 05.

An example is provided as follows:

Example: Setting up the CSK with two users. User 0 is assigned code 1234 and will be allowed to arm-away, arm-stay or disarm the system. User 1 is assigned code 5678 and will be allowed to arm-away or disarm only.



The CSK also offers an ARM Annex function. This can be assigned to any desired operation (i.e. arming a specific partition).

Enroll user 0 "total arming" (arm away) function:

- a. Program a zone as Zone Type 21 (Arm AWAY)
- b. When prompted, enter Input Type 05 (RF button-type transmitter-BR type).
- c. When prompted for a serial number, press (ARM-ALL) followed by 1234 on the CSK. Repeat to confirm.

Enroll user 0 "partial arming" (arm stay) function:

- a. Program a zone as Zone Type 20 (Arm STAY)
- b. When prompted, enter Input Type 05 (RF button-type transmitter-BR type).
- c. When prompted for a serial number, press (ARM- PART) followed by 1234 on the CSK. Repeat to confirm.

Enroll user 0 "disarm" function:

- a. Program a zone as Zone Type 22 (Disarm)
- b. When prompted, enter Input Type 05 (RF button-type transmitter-BR type).
- c. When prompted for a serial number, enter 1234 on the CSK. Repeat to confirm.

Enroll user 1 "total arming" (arm away) function:

- a. Program a zone as Zone Type 21 (Arm AWAY)
- b. When prompted, enter Input Type 05 (RF button-type transmitter-BR type).
- c. When prompted for a serial number, press (ARM-ALL) followed by 5678 on the CSK. Repeat to confirm.

Enroll user 1 "disarm" function:

- a. Program a zone as Zone Type 22 (Disarm)
- b. When prompted, enter Input Type 05 (RF button-type transmitter-BR type).
- c. When prompted for a serial number, enter 5678 on the CSK. Repeat to confirm.



Prox (MFID) tags are associated with a particular user during the CSK setup and no additional enrollment is required. When a user brings the prox tag up to the reader it is recognized by the panel as if the user had entered his/her security code at the keypad.

Specifications

Physical: 188mm x 112mm x 37mm

Electrical:

Voltage: 12VDC (from control's remote keypad connection points).

Current: 60mA (nominal), 85mA (peak)

Frequency: 868.250MHz

Range: 60m nominal indoors from wireless transmitters (the actual range to be determined with system in TEST mode).

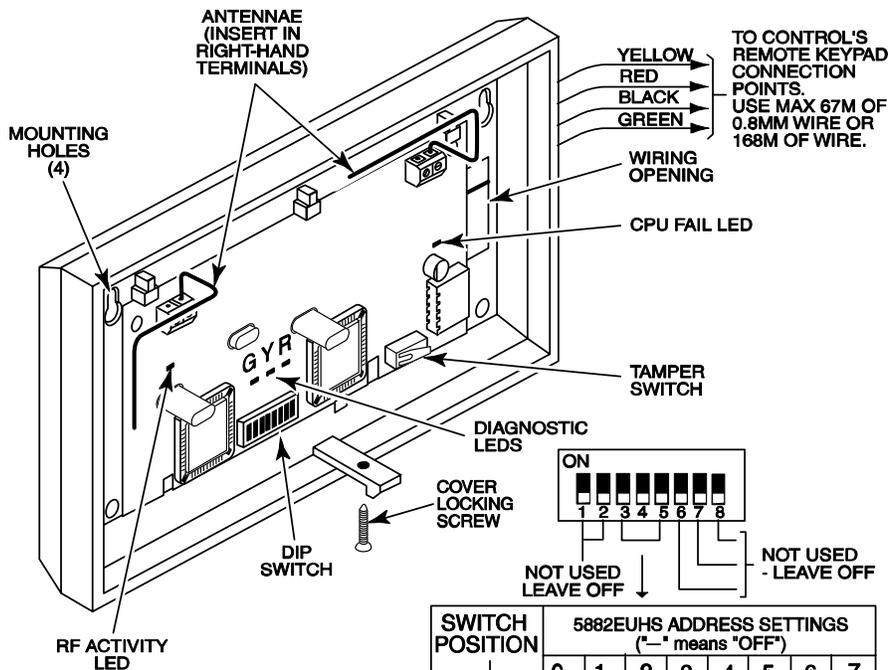
Temp. Range: 0°C to 50°C

Humidity: Up to 85% relative humidity.



CE DECLARATION OF CONFORMITY

HONEYWELL INTERNATIONAL declares that the 5882EUHS is in conformity with the EMC Directive 89/336/EEC and the following technical regulations have been applied: EN 61000-6-3:2001 and EN 50130-4:1995 +A1:1998



SWITCH POSITION	5882EUHS ADDRESS SETTINGS							
	("—" means "OFF")							
↓	0	1	2	3	4	5	6	7
5	—	ON	—	ON	—	ON	—	ON
4	—	—	ON	ON	—	—	ON	ON
3	—	—	—	—	ON	ON	ON	ON

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