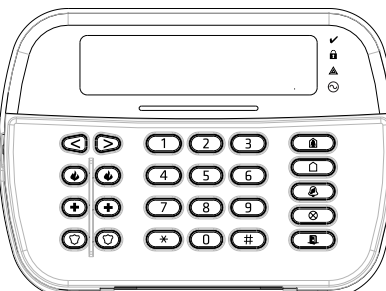


HS2LED/HS2ICON(P)(RF)/X/HS2LCD(RF)(P)X V1.3 Installation Instructions



WARNING: Please refer to the System Installation Manual for information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer.
NOTE: These instructions shall be used in conjunction with the system Installation Manual of the Control Panel with which this equipment is intended to be used.



From Tyco Security Products

Introduction

The HS2LED/HS2ICON(P)(RF)/X/HS2LCD(RF)(P)X keypads are compatible with the PowerSeries Neo HS2016/204, HS2016* and HS2128 panels. The RF keypads combine a wireless transmitter with the respective HS2 keypad.

*Model not UL/ULC listed.

Specifications

- Temperature range: -10°C to +55°C (14°F to 131°F); UL/ULC: 0°C to +40°C (32°F to 104°F)
- Humidity (MAX): 93%RH, non-condensing
- Plastic enclosure protection degree: IP30, IK04
- Voltage rating: 13.8Vdc nominal (power provided by the compatible control panel)
- Connections to control panel: Corbus via 4 wires
 - 1 configurable zone input or PGM output*
- HS2LED/HS2ICON(P)/HS2LCD(P)/HS2ICNRF(P)/HS2LCDRF(P) Current draw: 55mA(min)/105mA(max)
- Wall-mount tamper
- 5 programmable function keys
 - Ready (Green LED), Armed (Red LED), Trouble (Yellow LED), AC (Green LED)
- Dimensions (L x W x D): 168mm x 122mm x 20 mm
- Weight: 260g
- Low temperature sensor
- Frequency: 433 MHz (HS2ICNRF/HS2LCDRF/4)
- 868 MHz (HS2ICNRF/HS2LCDRF/3)
- 912/919MHz (HS2ICNRF/HS2LCDRF/9)
- Up to 128 wireless zones

Zone not to be programmed as Fire type or 24h type.

NOTE: Keypads contain no serviceable parts.

NOTE: Only models operating in band 912/919MHz are UL/ULC listed.

Unpack

The keypad package includes the following:

- HS2LED/HS2ICON(RF)/LCD(RF) 1 keypad
- 4 mounting screws 4 mounting screws
- 2 end-of-line resistors 2 end-of-line resistors
- Keypad indoor door labels Keypad indoor door labels
- 1 tamper switch 1 tamper switch
- Installation Instructions Installation Instructions
- Mini proximity (prox) tag (MPT)

NOTE: Keypads contain no serviceable parts.

NOTE: Only models operating in band 912/919MHz are UL/ULC listed.

NOTE: These instructions shall be used in conjunction with the system Installation Manual of the Control Panel with which this equipment is intended to be used.

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Proximity (Prox) Tags Support

The proximity tag option is a keypad function that would normally require a user access code or to activate a programmable output. Present the tag to the tag reader (R) or to the left of the keypad LCD.

Assign Proximity Tags

Using an LCD keypad:

- Press [*][5][Master/Supervisor Code]
- Enter a 4-digit user code.
- Press 2
- Pass the enrolled tag near the tag reader on the keypad.

Delete Proximity Tags

To delete a prox tag, select the user as outlined previously. Swipe the associated prox tag. The alarm system recognizes the tag. Press [*] to delete when prompted.

LED Bar

On the HS2ICNRF/HS2ICNRF/HS2LCD keypads, a blue LED bar indicates that a prox tag is approaching.

The LED bar flashes three times when a valid prox tag is being read by the keypad.

If the prox tag is invalid, the LED bar stays on steadily and the keypad sounds an error tone.

The brightness of the LED bar is adjustable from the [*][6] menu. When the backlight brightness is modified, the LED bar brightness is changed accordingly.

Downloading

The HS2LCDRF/HS2ICNRF products can be programmed over DLS V. This auto-detects the keypad type and downloads programming accordingly.

Wireless Device Setup and Programming

(HS2ICNRF(P)x/HS2LCDRF(P)x)

This section describes how to enroll and program wireless devices such as contacts, motion sensors and sirens on the alarm system.

[804][000] Enroll Wireless Devices

1. Once the HSM2016 is installed and enrolled on the alarm panel wireless devices can be enrolled using the following method: Enter Installer Programming section [804][000]

2. When prompted, either activate the device (see installation section) or enroll immediately or enter a device ID number. Do the latter to pre-enroll devices then enroll them later at the customer site.

The alarm panel determines the type of device being enrolled and presents the appropriate programming options.

[804][802] Wireless Supervisory Window

This option is used to program the length of time a wireless device can be absent from the system before it is considered a trouble condition.

NOTE: For EN installations, 1 hour or 2 hours must be selected.

When option 06 is selected, which configures the system to generate fault conditions after a device has been detected as absent for 24 hours, smoke detectors generate a fault condition after a maximum of 18 hours with the 200-hour supervisory window.

To program the Wireless Supervisory Window:

1. Enter Installer Programming section [804][802]

2. Select one of the following options by scrolling or entering the hotkey:

Table 6: Wireless Device Sub-Sections

Sub-Section Description

001-128 Configure wireless zones

351-556 Configure wireless sirens

601-632 Configure wireless keys

701-716 Configure wireless repeaters

NOTE: Select a device to configure using the scroll keys or go directly to a specific device by entering a hotkey.

3. Use the scroll buttons to enter a hot key to select a configuration option for the device. See device sheets for details.

4. Press [*] to accept and move to the next option.

5. Once all options are configured, the system returns to the base configuration menu.

Repeat the process described above to configure other wireless devices.

[804][801] RF Jam Detect

RF Jam detection (Continuous Interfering transmissions on the radio network) can be turned on or off.

When on, RF jamming is logged and reported.

To configure RF jamming:

1. Enter Installer Programming section [804][801]

2. Select one of the following options by scrolling or entering the hotkey:

Table 7: Jam Detect Options

Sub-Section Description

00 Enabled/Disabled Jamming detection and reporting is enabled/disabled Note: Must be Enabled for UL/ULC listed installations.

01 UL 20/30/40/SA Continuous RF jamming for 20 seconds

02 EN 30/60-Europe 30 seconds of accumulated jamming within 60 seconds

03 Class 6 30/60-British As EN (30/60) but reported only if the jamming duration exceeds 5 minutes

3. Press [*] to accept the selection.

4. Press [*] to exit the section.

NOTE: For UL Residential Burglary (UL1023), Home Health Care (UL1637), UL Residential Burglary (UL1023-CH1023) installations, the maximum Supervision window shall be set to 24 hours.

For UL Residential Fire (UL1985) installations, the maximum supervision window is 18 hours.

For UL Commercial Burglary (UL1610/365) and UL Residential Fire (UL1985), the maximum supervision window shall be set to 4 hours.

[804][810] Wireless Option 1

To program wireless options:

1. Enter Installer Programming section [804][810]

2. Select one of the following options by scrolling or entering the hotkey:

Table 8: Wireless Options

Sub-Section Description

01 RF Delinquency On: The system cannot be armed if a wireless supervisory trouble exists. An RF delinquency time is generated.

02 Wireless Supervisory/Off: wireless supervisory troubles do not prevent arming.

03 On: If a supervisory or jamming trouble occurs during Away arming, the siren activates and the event is logged and reported.

04 Module Tamper On: module tampers are logged and reported.

05 Fire Supervision On: fire devices are supervised every 200 seconds. If the device fails to report within this window, a supervision trouble is generated.

Off: fire devices follow the supervision window programmed in section 802, up to a maximum of 18 hours.

NOTE: For UL Residential Burglary (UL1023), Home Health Care (UL1637), UL Residential Burglary (UL1023-CH1023) installations, the maximum Supervision window shall be set to 24 hours.

For UL Residential Fire (UL1985) installations, the maximum supervision window is 18 hours.

For UL Commercial Burglary (UL1610/365) and UL Residential Fire (UL1985), the maximum supervision window shall be set to 4 hours.

3. Press [*] to accept the selection.

4. Press [*] to exit the section.

NOTE: For UL Residential Burglary (UL1023), Home Health Care (UL1637), UL Residential Burglary (UL1023-CH1023) installations, the maximum Supervision window shall be set to 24 hours.

For UL Residential Fire (UL1985) installations, the maximum supervision window is 18 hours.

For UL Commercial Burglary (UL1610/365) and UL Residential Fire (UL1985), the maximum supervision window shall be set to 4 hours.

[804][841] Visual Verification Programming

To program visual verification:

1. Enter Installer Programming section [804][841]

2. Select one of the following options by scrolling or entering the hotkey:

Table 9: Visual Verification Sub-Sections

Sub-Section Description

001 All zones On: The system cannot be armed if a wireless supervisory trouble exists. An RF delinquency time is generated.

002 Repeater On: wireless supervisory troubles do not prevent arming.

003 Sirens On: If a supervisory or jamming trouble occurs during Away arming, the siren activates and the event is logged and reported.

004 Wireless keys On: module tampers are logged and reported.

005 Fire Supervision On: fire devices are supervised every 200 seconds. If the device fails to report within this window, a supervision trouble is generated.

Off: fire devices follow the supervision window programmed in section 802, up to a maximum of 18 hours.

NOTE: For UL Residential Burglary (UL1023), Home Health Care (UL1637), UL Residential Burglary (UL1023-CH1023) installations, the maximum Supervision window shall be set to 24 hours.

For UL Residential Fire (UL1985) installations, the maximum supervision window is 18 hours.

For UL Commercial Burglary (UL1610/365) and UL Residential Fire (UL1985), the maximum supervision window shall be set to 4 hours.

3. Press [*] to accept the selection.

4. Press [*] to exit the section.

NOTE: For UL Residential Burglary (UL1023), Home Health Care (UL1637), UL Residential Burglary (UL1023-CH1023) installations, the maximum Supervision window shall be set to 24 hours.

For UL Residential Fire (UL1985) installations, the maximum supervision window is 18 hours.

For UL Commercial Burglary (UL1610/365) and UL Residential Fire (UL1985), the maximum supervision window shall be set to 4 hours.

[804][842] Visual Verification Programming

To program visual verification:

1. Enter Installer Programming section [804][842]

2. Select one of the following options by scrolling or entering the hotkey:

Table 10: Visual Verification Sub-Sections

Sub-Section Description

001 All zones On: The system cannot be armed if a wireless supervisory trouble exists. An RF delinquency time is generated.

002 Repeater On: wireless supervisory troubles do not prevent arming.

003 Sirens On: If a supervisory or jamming trouble occurs during Away arming, the siren activates and the event is logged and reported.

004 Wireless keys On: module tampers are logged and reported.

005 Fire Supervision On: fire devices are supervised every 200 seconds. If the device fails to report within this window, a supervision trouble is generated.

Off: fire devices follow the supervision window programmed in section 802, up to a maximum of 18 hours.

NOTE: For UL Residential Burglary (UL1023), Home Health Care (UL1637), UL Residential Burglary (UL1023-CH1023) installations, the maximum Supervision window shall be set to 24 hours.

For UL Residential Fire (UL1