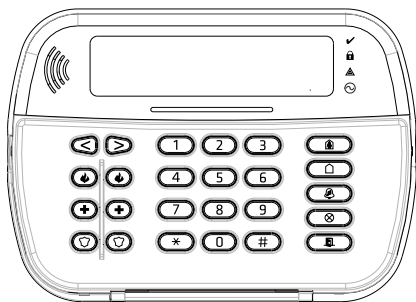


# HS2LCDWF(P)(V) V1.1 Installation Instructions/Instructions d'installation/Instrucciones de instalación/Instruções de instalação English, Français, Español, Português



NOTE: Refer to the PowerSeries Neo Reference manual for information on limitations regarding product use and function, and information on the limitations as to the liability of the manufacturer.

AVERTISSEMENT: Consultez le manuel de référence PowerSeries Neo qui contient des informations au sujet des limites d'utilisation et de fonctionnement relatives au produit et à la responsabilité du fabricant.

ADVERTENCIA: Consulte el Manual de referencia de PowerSeries Neo para obtener información sobre las limitaciones con respecto al uso y función del producto, así como información sobre las limitaciones relacionadas con la responsabilidad civil del fabricante.

AVISO: Consulte o manual de Referência PowerSeries Neo para informação sobre as limitações referentes a uso e funcionamento do produto e informação sobre limitações como a responsabilidade do fabricante.

PowerSeries  
**neo**

**DSC**

From Tyco Security Products



29009075R001

## Introduction

These instructions must be used with the appropriate control panel installation manual with which this equipment is intended to be used. Operating instructions shall be made available to the user. The HS2LCDWF wireless keypad is compatible with wireless transceivers HSM2HOST and HS2LCDRF keypads.

## Specifications

- Temperature range: -10°C to +55°C (14°F to 131°F) UL/ULC: 0°C to +49°C (32°F to 120°F)
- Humidity (MAX): 93%RH, non-condensing
- Plastic enclosure protection degree: IP30, IK04
- Power adaptor output voltage: 9.0Vdc @ 1.25A. Models - US/Latin America: HK-XX11-U09N (UL), Canada: HK-XX11-U09NC (ULC), EU: HK-XX11-U09EU, UK: HK-XX11-U09NGB, AUS./NZ, China: HK-XX11-U09NAU limited power supply, acceptable to the authority having jurisdiction.
- Restraints are in place for UL installations.
- This product is not to be connected to a receptacle that is controlled by a switch.
- Battery, 4 AA, 1.5V, Energizer alkaline consumer-grade (E91)
- Low Battery Indication: 4.5V
- HS2LCDWF current draw: 30mA(min)/105mA(max)
- Wall-mount tamper (connected when installed in UL commercial applications)
- 5 programmable function keys
- Ready (Green LED), Armed (Red LED), Trouble/RF Jam (Red/Yellow), AC (Green)
- Frequency: 433MHz (Brazil, China, Aus. (CE), NZ (NA), South Africa (ICASA), MEA, India (WPC)
- Frequency: 868MHz (EN + Local, MEA (CE))
- Frequency: 912 - 919MHz (NA/LATAM, Argentina)
- Dimensions (LxWxD): 168mm x 122mm x 25 mm
- Weight: 370g (batteries included)

NOTE: For UL commercial installations, the tamper switches are enabled.

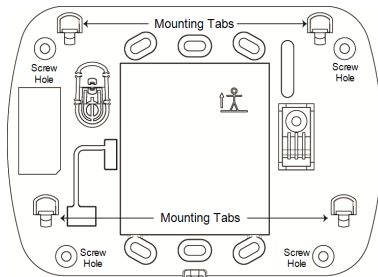
## Unpack

The HS2LCDWF keypad package is available in three configurations. The keypad contains patented technology for the Proximity (Prox) Tag.

HS2LCDWF - Wall Mount	HS2LCDWFP - Prox
1 HS2LCDWF wall bracket	1 HS2LCDWF wall bracket
1 installation manual	1 installation manual
1 inner door sticker	1 inner door sticker
4 AA batteries	4 AA batteries
1 hardware pack	1 hardware pack
	1 prox tag

HS2LCDWFPV - Prox Tag w/verbal annunciation
1 HS2LCDWF wall bracket
1 installation manual
1 inner door sticker
4 AA batteries
1 hardware pack
1 prox tag

## Mount the Keypad



Mount the keypad where it is accessible from designated points of entry and exit. Once a dry and secure location has been selected, perform the following steps to mount the keypad.

## Wall Mounting Plate

Locate the screw holes (4) at each corner of the mounting plate.

Use the four screws provided to affix the mounting plate to the wall; ensure the mounting tabs are facing you (see following diagram). If the keypad is to be mounted on drywall, use plastic anchors. Once the batteries are installed, align the four mounting slots in the HS2LCDWF housing with the four mounting tabs protruding from the mounting plate.

Firmly but carefully snap the keypad down onto the mounting plate.

## Desk Stand - HS2LCDWFDK (Optional)

1. Insert the four rubber feet (found in the hardware pack) into the indentations provided in the bottom of the desk stand.
2. Place the desk stand on a secure, uncluttered surface.
3. Align the four mounting slots in the HS2LCDWF housing with the four mounting tabs protruding from the desk stand.
4. Slide the keypad into place. Firmly but carefully snap the keypad down onto the desk stand.
5. To fasten the keypad securely onto the desk stand, locate the hole in the center of the bottom of the desk stand. Using the screws provided, screw the keypad to the desk stand.



## Apply Battery Power

WARNING: If a low battery trouble signal is noted, the unit will operate for a duration of no longer than 30 days. When a low battery trouble signal is noted, the batteries must be replaced to ensure proper operation of the unit.

1. If required, slide the keypad up and out from the mounting plate/desk stand (removing the screws first if required). The bay for the four AA batteries is open and visible at the back of the keypad.
2. Insert the batteries as directed on the back of the keypad. Ensure the correct polarity is observed.
3. Replace the keypad on the mounting plate/desk stand.

CAUTION: Do not mix old batteries with new ones.

## Apply AC Power

CAUTION: The socket-outlet in which the direct plug-in adaptor is inserted must be close to the keypad, easily accessible, and have unobstructed access. The plug of the adaptor serves as a means of disconnection from the supply mains.

- Slide the keypad up and out from the mounting plate/desk stand.
- Locate the power adaptor jack at the back of the keypad housing.
- Place the adaptor plug in the housing indentation, perpendicular to the keypad. Insert the adaptor plug firmly into the jack.
- Pivot the adaptor plug downwards so that it fits flush with the housing. Guide the AC wire along the channel provided in the keypad housing; the wire will extend through the bottom of the housing.
- Replace the keypad on the mounting plate/desk stand (in the latter case, a further channel is provided in the bottom of the desk stand. Guide the AC wire along this channel; the wire will extend through an opening in the back of the stand).
- Plug the adaptor into a wall outlet.

Only use the power adaptor (9.0VDC, @1.25A, 2.25W, limited power supply for models: HK-XX11-U09N (UL) and HK-XX11-U09NC (ULC).

## Program the Keypad

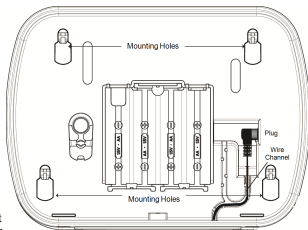
There are several programming options available for the keypad (see the following table). Programming the keypad is similar to programming the rest of the system. The installer menu is a text driven flow. For information on programming the rest of your security system, refer to your system's installation manual.

- Press [\*][8][Installer Code].
- Use the [<|>] keys to navigate through the menus or jump directly to a specific section by entering the section number.

## Language Programming

To enter language programming, enter [000]-[000]. Then enter the two-digit number that corresponds to the language desired:

01 = English (default)	16 = Turkish
02 = Spanish	17 = FFU
03 = Portuguese	18 = Croatian
04 = French	19 = Hungarian
05 = Italian	20 = Romanian
06 = Dutch	21 = Russian
07 = Polish	22 = Bulgarian
08 = Czech	23 = Latvian
09 = Finnish	24 = Lithuanian
10 = German	25 = Ukrainian
11 = Swedish	26 = Slovakian
12 = Norwegian	27 = Serbian
13 = Danish	28 = Estonian
14 = Hebrew	29 = Slovenian
15 = Greek	



## Keypad Symbols

Symbol		Description
✓	Ready Light (Green)	If Ready light is ON, the system is ready to arm.
🔒	Armed Light (Red)	If Armed light is ON/Flashing, the system has been armed successfully.
⚠️	System Trouble (Yellow)	ON - Indicates that a system trouble is active.. Flashing - Keypad low battery.
⚡	AC (Green)	ON - Indicates that AC is present at the keypad

## Enroll HSM2HOST

The HSM2HOST wireless transceiver or HS2LCDRF/HS2ICNRF keypad must be enrolled onto the alarm panel before any wireless devices can be enrolled. When the alarm system is powered up for the first time, the first keypad or the HSM2HOST (if using a wireless keypad as the first keypad) can be enrolled. To do this:

- Once the HSM2HOST is wired to the alarm panel and power has been applied, power up a wireless keypad.
- Press any button on the keypad to enroll it on the HSM2HOST. The HSM2HOST is then automatically enrolled on the alarm panel.

## Enroll Keypad

- Press [\*][8][Installer Code] and then [804][000].
  - When prompted, either activate the device to enroll immediately or enter a device serial number. Do the latter to pre-enroll devices then enroll them later at the customer site.
  - Use the [<|>] keys or enter the corresponding number to select an option.
  - Scroll through the available selections and enter a number or enter text as appropriate.
  - Press [\*] to accept and move to the next option.
  - Once all options are configured, the system prompts you to enroll the next device.
  - Repeat this process until all wireless devices are enrolled.
- For UL/ULC Residential Fire applications, HS2LCDWF9, HS2LCDWFP9, HS2LCDWFP9V9 keypads must be set up for 200 seconds wireless supervision, by enabling toggle option 4 (200s Fire Supv), in section [804][810].

## Delete Keypad

- Press [\*][8][Installer Code] and then [804][905].
- Use the [<|>] keys to select the keypad or press [#] to exit.
- Press [\*] to delete. The screen will read "Keypad deleted".

## Program Labels

Use this section to assign a meaningful name (e.g., Front Door, Hallway, etc.) to each zone.

1. Press [\*][8] [Installer code].
2. Press [\*] and use the <[>] keys to scroll to Zone Labels and press [\*] again. The first zone is displayed. Alternatively, enter [000][001].
3. Scroll to the zone label to be programmed and press [\*] or enter the zone number (e.g., 001 for zone label 1).
4. Scroll to the desired character's location using the <[>] keys.
5. Enter the number of the corresponding character group until the desired character is displayed (see the following table). Example: Press the "2" key 3 times to enter the letter "F". Press the "2" key 4 times to enter the number "2".

[1] - A, B, C, 1 [4] - J, K, L, 4 [7] - S, T, U, 7 [0] - Space

[2] - D, E, F, 2 [5] - M, N, O, 5 [8] - V, W, X, 8 [\*] - Select

[3] - G, H, I, 3 [6] - P, Q, R, 6 [9] - Y, Z, 9.0 [#] - Escape

6. To save the label, press [#], and the label is automatically saved. To delete a character, use the <[>] keys to move the cursor under the character, then press [0]. If any key other than <[>] or [0] is pressed before [0], the cursor moves one space to the right and deletes that character.

## ASCII Character

002	#	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
002	!	003	@	004	#	005	\$	006	%	007	&	008	'	009	(	010	)	011	*	012	+	013	,	014	015
002	0	003	1	004	2	005	3	006	4	007	5	008	6	009	7	010	8	011	9	012	.	013	014	015	
002	0	003	1	004	2	005	3	006	4	007	5	008	6	009	7	010	8	011	9	012	.	013	014	015	

## Label Library

The Label Library is a database of words commonly used when programming labels. Individual words can be combined as needed (e.g., Front + Door). Each line of the display supports a maximum of 14 characters. If a word will not fit on a line, scroll right until the cursor appears at the first character of the second line then add the word.

To program a custom label using the Label Library:

1. Press [\*][8][Installer Code][000][001] (to program the label for zone 01).
2. Press [\*] to open the menu.
3. Press [\*] again to select the "Word Entry" option.
4. Enter the 3-digit number corresponding to a word (see Words Library) or use the scroll keys <[>] to view words in the library.
5. Press [\*] to select the word.
6. To add another word, repeat the previous procedure from step 2.
7. To add a space, press the right scroll key >].
8. To clear characters, select "Clear to End" or "Clear Display" from the "Select Options" menu.
9. To save the label, press [#], and the label is automatically saved.

## Broadcast LCD Labels

If more than one LCD keypad is present on the system, labels programmed at one keypad will be broadcast to all other LCD keypads right after the change is confirmed.

## Voice Prompt/Voice Chime

Voice Prompt Control (for wireless keypads only)

Menu: [\*][6][access code] > Voice Prompt

This function is used to change the volume level of keypad voice prompts, for example, "User arming in progress." The voice prompt speaks the zone labels programmed for zone openings/closings. Use

the scroll keys <[>] to increase or decrease the volume from levels 0-10. Selecting 00 turns off keypad voice prompts.

## Voice Chime Control

Menu: [\*][6][access code] > Chime Control

This function is used to change the keypad voice chime volume level. Use the scroll keys <[>] to increase or decrease the volume from levels 0-10. Selecting 00 turns off voice chime.

## Change Brightness/Contrast/Buzzer

LCD Keypads

1. Press [\*][6][Master Code].

2. Use the <[>] keys to scroll to either Bright Control, Contrast Control, Buzzer Control.

3. Press [\*] to select the setting you want to adjust.

4. (a) Brightness/LED Bar Control: There are 15 back lighting levels. Use the <[>] keys to scroll to the desired level. Changing this level adjusts the LED bar accordingly.

b) Contrast Control: There are 15 different display contrast levels. Use the <[>] keys to scroll to the desired contrast level.

c) Buzzer Control: There are 15 different buzzer control levels. Use the <[>] keys to scroll to the desired buzzer level.

## Proximity Tags (HS2LCDWFP, HS2LCDWFPV only)

The proximity tag can be used to perform any keypad function that would normally require a user access code. The tag is to be presented to the center left face of the keypad. While the keypad is running off AC, the transceiver is always on to detect any prox tag approaching. While the keypad is running on battery and in sleep mode, the user can press any key to wake the keypad, then present the prox tag.

## Enroll Proximity Tags

Enrolling a tag on one keypad will enroll it automatically to all HS2LCDWFP or HS2LCDWFPV keypads enrolled on the system. Master code (code 1) cannot have a prox tag assigned to it.

1. Press [\*][5][Master Code].
2. Use the <[>] keys to scroll to the applicable user and press [\*].
3. Use the <[>] keys to scroll to Prox Tag and press [\*]. The screen displays: "Present Tag".
4. Pass the enrolled tag near the tag reader on the keypad. A prox tag can only be assigned to one user at a time.
5. If enrollment is successful, acknowledgment beeps will sound and the keypad LCD will read "Tag Enrolled Successfully". If enrollment is unsuccessful, an error tone will sound and the keypad will read "Invalid Tag Not Enrolled". If the tag has been enrolled previously, an error tone will sound and the keypad will read "Duplicate Tag Not Enrolled".

## Delete Proximity Tags

Delete the prox tags from the system when they are lost or no longer needed.

1. Press [\*][5][Master Code].
2. The keypad displays the user number and includes the letter "T" if a prox tag is programmed.
3. Use the <[>] keys to locate the desired user and press [\*]. Scroll to Prox Tag and press [\*].
4. The keypad reads "Press [\*] To Delete Tag". After pressing [\*], the message "Tag Deleted Successfully" appears.

## Keypad Function Key Programming

To program a function key:

1. Press [\*][8][Installer Code].
2. Enter [861] for keypad programming. Section [860] is read-only and shows the slot number of the keypad being accessed.
3. Enter [001]-[005] to assign keys 1-5.
4. Enter a 2-digit number to function a function key operation - [00]-[68]. See the following tables.
5. Continue from step 3 until all function keys are programmed.
6. Press [#] twice to exit Installer Programming.

## [001]-[005] Function Key Assignments

Section	Function Key	Button	Valid Range	Default	Function	
[001]	1		00-68	03	Stay Arm	<input type="text"/>
[002]	2		00-68	04	Away Arm	<input type="text"/>
[003]	3		00-68	06	Chime ON/OFF	<input type="text"/>
[004]	4		00-68	22	Comm Output 2	<input type="text"/>
[005]	5		00-68	16	Quick Exit	<input type="text"/>

## Keypad Function Keys

Please see your system installation manual for more details on the function key options:

[00] - Null	[17] - Arm Interior	[39] - Trouble Display
[02] - Instant Stay Arm	[21] - Command Output 1	[40] - Alarm Memory
[03] - Stay Arm	[22] - Command Output 2	[61] - Partition Select 1
[04] - Away Arm	[23] - Command Output 3	[62] - Partition Select 2
[05] - [*][9] No-Entry Arm	[24] - Command Output 4	[63] - Partition Select 3
[06] - Chime ON/OFF	[29] - Bypass Group Recall	[64] - Partition Select 4
[07] - System Test	[31] - Local PGM Activate	[65] - Partition Select 5
[09] - Night Arm	[32] - Bypass Mode	[66] - Partition Select 6
[12] - Global Stay Arm	[33] - Bypass Recall	[67] - Partition Select 7
[13] - Global Away Arm	[34] - User Programming	[68] - Partition Select 8
[14] - Global Disarming	[35] - User Functions	
[16] - Quick Exit	[37] - Time and Date Program	

## Keypad Programming

Press [\*][8][Installer Code]

### [860] Keypad Slot Number

This is not for programming; the two-digit slot number is displayed for informational purposes only.

### [861]-[876] Keypad Programming Sections

Sections [861]-[876] apply to keypad slot numbers 1-16 accordingly. After selecting the appropriate keypad section number, the following programming options are available:

#### [000] Address of Partition

On selecting [000], a 2-digit entry is required to assign the keypad to a partition. Valid entries are 01-08. The default is 01. NOTE: The HS2LCDWF keypad cannot be assigned as a global keypad.

#### [001]-[005] Function Key 1- 5 Assignment

#### [011] Keypad Input/Output Programming

Zone or PGM Number                      00  

#### [012] Local PGM Output Pulse Activation Time

Minutes (00-99);  Seconds (00-99)

## [021] First Keypad Options

Default	Opt.	ON	OFF
ON <input type="checkbox"/>	1	Fire Key Enabled	Fire Key Disabled
ON <input type="checkbox"/>	2	Medical Key Enabled	Medical Key Disabled
ON <input type="checkbox"/>	3	Panic Key Enabled	Panic Key Disabled
ON <input type="checkbox"/>	4	Display Access Code When Programming	Display X's When Programming Access Codes
OFF <input type="checkbox"/>	5	For Future Use	For Future Use
OFF <input type="checkbox"/>	6	For Future Use	For Future Use
OFF <input type="checkbox"/>	7	For Future Use	For Future Use
OFF <input type="checkbox"/>	8	For Future Use	For Future Use

NOTE: For EN50131-1/EN50131-3 compliant systems, section [021]: options 1 and 2 shall be OFF.

## [022] Second Keypad Options

Default	Opt.	ON	OFF
ON <input type="checkbox"/>	1	Local Clock Display ON	Local Clock Display OFF
OFF <input type="checkbox"/>	2	Local Clock Displays 24-hr Time	Local Clock Displays AM/PM
ON <input type="checkbox"/>	3	Auto Alarm Scroll ON	Auto Alarm Scroll OFF
OFF <input type="checkbox"/>	4	For Future Use	For Future Use
OFF <input type="checkbox"/>	5	Power LED Enabled	Power LED Disabled
ON <input type="checkbox"/>	6	Power LED AC Present ON	Power LED AC Present OFF
ON <input type="checkbox"/>	7	Alarms Displayed While Armed	Alarms Not Displayed While Armed
OFF <input type="checkbox"/>	8	Auto-Scroll Open Zones ON	Auto-Scroll Open Zones OFF

## [023] Third Keypad Options

Default	Opt	ON	OFF
OFF <input type="checkbox"/>	1	Armed LED On in Sleep Mode	Armed LED Off in Sleep Mode
ON <input type="checkbox"/>	2	Keypad Status Shows Stay Arm	Keypad Status Shows Stay/Away Arm
OFF <input type="checkbox"/>	7	Temperature Display Enabled	Temperature Display Disabled

Programming options indicated in GREY are required for systems compliant with EN50131-1 and EN50131-3 standards. Section [023]: 1=OFF

## [030] LCD Message

NOTE: Clock display (Section [022], Option 1) must be enabled.

### [031] Downloaded LCD Message Duration

Default: 000  (Valid entries are 000-255), 000=Unlimited Message Display. This number represents the number of times the downloaded message must be cleared before it is permanently removed. Press any key to delete message.

### [041] Indoor Temperature Zone Assignment

Default: 000  (Valid entries are 000-128)

### [042] Outdoor Temperature Zone Assignment

Default: 000  (Valid entries are 000-128)

## [101]-[228] Door Chime for Zones 1-128

The keypad can be programmed to make up to four different chime sounds for individual zones. (e.g., for Zone 1, enter Section [101], for Zone 2 enter Section [102]). Default: 01

**Option**

- 01 6 beeps
- 02 Bing-Bing tone
- 03 Ding-Dong tone
- 04 Alarm tone (4 second duration)
- 05 Zonename

**[991] Reset Keypad Programming to Factory Defaults**

1. Press [\*][8][Installer Code].
2. Enter [991].
3. Use the [<|>] keys to scroll to the applicable keypad.
4. Press [\*] to select the keypad.
5. Re-enter [Installer Code].
6. Press [\*] to reset the selected keypad to factory defaults.

## Word Library

Item #	Text	Item #	Text	Item #	Text	Item #	Text	Item #	Text	Item #	Text	Item #	Text
001	Aborted	037	Closed	073	Feature	109	Library	145	Pool	181	Tamper	217	N
002	AC	038	Closet	074	Fence	110	Light	146	Porch	182	Temperature	218	O
003	Access	039	Closing	075	Fire	111	Lights	147	Power	183	Test	219	P
004	Active	040	Code	076	First	112	Living	148	Press	184	Time	220	Q
005	Activity	041	Communicator	077	Floor	113	Load	149	Program	185	To	221	R
006	Alarm	042	Computer	078	Force	114	Loading	150	Progress	186	Touchpad	222	S
007	All	043	Control	079	Foyer	115	Low	151	Quiet	187	Trouble	223	T
008	AM	044	Date	080	Freeze	116	Lower	152	Rear	188	Unbypass	224	U
009	Area	045	Daughter's	081	Front	117	Main	153	Receiver	189	Unit	225	V
010	Arm	046	Degrees	082	Fumace	118	Master	154	Report	190	Up	226	W
011	Armed	047	Delay	083	Gallery	119	Mat	155	RF	191	West	227	X
012	Arming	048	Den	084	Garage	120	Medical	156	Right	192	Window	228	Y
013	Attic	049	Desk	085	Gas	121	Memory	157	Room	193	Zone	229	Z
014	Auxiliary	050	Detector	086	Glass	122	Menu	158	Safe	194	0	230	Space
015	Away	051	Dining	087	Goodbye	123	Monoxide	159	Saver	195	1	231	,
016	Baby	052	Disarmed	088	Gym	124	Mother's	160	Schedule	196	2	232	-
017	Back	053	Door	089	Hallway	125	Motion	161	Screen	197	3	233	_(Underscore)
018	Bar	054	Down	090	Heat	126	No	162	Second	198	4	234	*
019	Basement	055	Download	091	Hello	127	North	163	Sensor	199	5	235	#
020	Bathroom	056	Downstairs	092	Help	128	Not	164	Service	200	6	236	:
021	Battery	057	Drawer	093	High	129	Now	165	Shed	201	7	237	/
022	Bedroom	058	Driveway	094	Home	130	Number	166	Shock	202	8	238	?
023	Bonus	059	Duct	095	House	131	Off	167	Shop	203	9		
024	Bottom	060	Duress	096	In	132	Office	168	Side	204	A		
025	Breezeway	061	East	097	Install	133	OK	169	Siren	205	B		
026	Building	062	Energy	098	Interior	134	On	170	Sliding	206	C		
027	Bus	063	Enter	099	Intrusion	135	Open	171	Smoke	207	D		
028	Bypass	064	Entry	100	Invalid	136	Opening	172	Son's	208	E		
029	Bypassed	065	Error	101	Is	137	Panic	173	Sound	209	F		
030	Cabinet	066	Exercise	102	Key	138	Partition	174	South	210	G		
031	Camera	067	Exit	103	Kids	139	Patio	175	Special	211	H		
032	Canceled	068	Exterior	104	Kitchen	140	Pet	176	Stairs	212	I		
033	Car	069	Factory	105	Latchkey	141	Phone	177	Stay	213	J		
034	Carbon	070	Failure	106	Laundry	142	Please	178	Sun	214	K		
035	Central	071	Family	107	Left	143	PM	179	Supervisory	215	L		
036	Chime	072	Father's	108	Level	144	Police	180	System	216	M		

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## FFC Compliance Statement

Caution: Changes or modifications not expressly approved by Digital Security Controls could void your authority to use this equipment.

This equipment generates and uses radio frequency energy and if not installed and used properly, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for Class B device in accordance with the specifications in Subpart 'B' of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in any residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to television or radio reception, which can be determined by turning the equipment off and on, the user is encouraged by to correct the interference by one or more of the following measures: (i) Reorient the receiving antenna; (ii) increase the separation between the equipment and receiver; (iii) connect the equipment into an outlet on a circuit different from that to which the receiver is connected. If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the FCC helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402. Stock #04-000-036-4.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 de Canada. IC-160A-HS2L2CWF. The term IC before the above certification number signifies that the industry Canada technical specifications were met.

Hersby, DSC, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The complete R&TE Declaration of Conformity can be found at [http://www.dsc.com/listings\\_index.aspx](http://www.dsc.com/listings_index.aspx). (CZE) DSC jako výrobce prohlašuje, že tento výrobek je v souladu se všemi relevantními požadavky směrnice 1999/5/EC. (DAN) DSC erklærer herved at denne komponent overholder alle vigtige krav samt andre bestemmelser gældt i direktiv 1999/5/EC. (DUT) Hiertoe verktoest DSC dat dit toestel in overeenstemming is met de eisen en bepalingen van richtlijn 1999/5/EC. (FIN) DSC vakuuttaa laiteen täyttävän direktiivin 1999/5/EC olennaiset vaatimukset. (FRE) Par la présente, DSC déclare que ce dispositif est conforme aux exigences essentielles et autres stipulations pertinentes de la Directive 1999/5/EC. (GER) Hierdurch erklärt DSC, daß dieses Gerät den erforderlichen Bedingungen und Voraussetzungen der Richtlinie 1999/5/EC entspricht. (GRE) Διο το παρόν, η DSC δηλώνει ότι αυτή η συσκευή είναι σύμφωνα με τις υποχρεώσεις απαιτήσεις και με όλες τις άλλες σχετικές αναφορές της Οδηγίας 1999/5/EC. (ITA) Con la presente la Digital Security Controls dichiara che questo prodotto è conforme ai requisiti essenziali e ad altre disposizioni rilevanti relative alla Direttiva 1999/5/EC. (NOR) DSC erklærer at denne enhet er i samsvar med de grunnleggende krav og andre relevante krav i direktiv 1999/5/EC. (POL) DSC oświadcza, że urządzenie jest w zgodności z zasadniczymi wymaganiami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/WE. (POR) Por este modo, a DSC, declara que este equipamento está em conformidade com os requisitos essenciais e outras determinações relevantes da Directiva 1999/5/EC. (SPA) Por la presente, DSC, declara que este equipo está en conformidad con los requisitos esenciales y otros requisitos relevantes de la Directiva 1999/5/EC. (SWE) DSC bekräftar härmed att denna apparat uppfyller de väsentliga kraven och andra relevanta bestämmelser i Direktivet 1999/5/EC.

This installation sheet applies to models: HS2L2CWF, HS2L2CWF.P and HS2L2CWF.P. The Model HS2L2CWF, HS2L2CWF.P, and HS2L2CWF.PDFFs have been certified by Telefication according to EN50131-12006 + A1:2008, EN50131-32009 for Grade 2, Class II. EN50131-Grade2:Class II.

CAUTION: Do not dispose of the waste battery as unsorted municipal waste. Consult your local rules and laws regarding recycling of this battery.

The use of external power adapter is optional and it has not been investigated by Telefication for EN50131 test installation.

For NCERT certified applications the wireless keypads have been evaluated under the requirements of T04A using power supply type C.

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