



USER MANUAL

Double Touch Panel and Scene Controller

HSC-S514

Installation and operation | Rev. 1.0 | October 2026

About this product

The HSC-S514 is an in-wall touch panel with a built-in Z-Wave 800 Series module. Keys 1 and 2 (round) switch the two relay outputs L1 and L2. Keys 3 to 6 (square) are scene keys.

The relay keys switch loads directly. The scene keys send scene commands to the Z-Wave controller, such as the Horus Nexxo 800, or control other devices directly through association. The panel also works as a repeater in the Z-Wave network.

Safety instructions

WARNING

Risk of electric shock. Turn off the power at the circuit breaker or fuse before you install or service the device.

More than one disconnect switch can be necessary to de-energize the equipment before servicing.

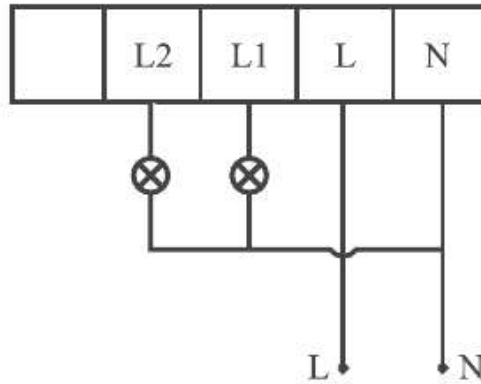
- A qualified electrician must install this device.
- Read all instructions before you install the device. Keep this manual for future reference.
- Install the device flush in a UL or ETL listed plastic junction box. Minimum box size: 90 x 60 x 50 mm. Minimum volume: 270 cm³.
- Use copper conductors only.
- Use indoors only. Do not expose the device to water or other liquids.
- Do not disassemble, repair, or modify the device.

Specifications

Supply voltage	90 to 250 VAC, 50/60 Hz. Neutral wire required
Maximum load	2 x 3.5 A resistive, 2 x 2 A capacitive/inductive (per channel)
Protocol	Z-Wave 800 Series, 908.42 MHz (US)

Installation

1. Turn off the power at the circuit breaker.
2. Separate the touch panel from the base.
3. Strip each wire 6 to 8 mm. Put the wires into the correct terminals as shown in the wiring diagram. Tighten the screws.
4. Attach the base to the junction box with the screws.
5. Install the touch panel on the base.
6. Make sure that the device is correctly installed. Turn on the power.



L = line, N = neutral, L1 and L2 = load outputs.

Add the device to a Z-Wave network

1. Set the Z-Wave controller to inclusion (add) mode. Refer to the controller instructions.
2. Touch any key 3 times quickly, or touch and hold any key for 10 seconds. The LED of that key flashes 3 times.
3. When inclusion is complete, all LEDs flash together.

Remove the device from a Z-Wave network

1. Set the Z-Wave controller to exclusion (remove) mode.
2. Touch any key 3 times quickly, or touch and hold any key for 10 seconds.
3. When exclusion is complete, all LEDs flash together. Exclusion erases all network data.

Operation

- Touch key 1 or key 2 to turn the related load on or off.
- Touch a scene key (3 to 6) to send its scene command. A short press and a long press can start different scenes (parameters 50 to 67).
- Send on/off commands from the Z-Wave controller. Commands to the root device control all endpoints together.

Scene functions

- **Scene response:** the panel supports Scene Activation and Scene Actuator Configuration. Parameters 40 to 43 select which relay keys respond.
- **Scene activation:** keys 1 and 2 can send Scene Activation to group 1. Set parameters 24 to 29. This function is off by default.
- **Central Scene:** each key can send Central Scene notifications to group 1. Use parameter 23.

Control from more than one location (multi-way)

Up to 5 panels or switches can control one load. Wire the load to one device only. On each device, add the node IDs of the other devices to association group 2.

Association groups

Group	Max nodes	Command class	Trigger
1 (Lifeline)	1	Binary Switch Report, Central Scene Notification, Device Reset Locally Notification	Key pressed once (reports). 20 touches in succession (reset notice)

Group	Max nodes	Command class	Trigger
2	5	Basic Set	Short press of key 1
3	5	Basic Set	Short press of key 2
4	5	Basic Set	Short press of key 3
5	5	Basic Set	Short press of key 4
6	5	Basic Set	Short press of key 5
7	5	Basic Set	Short press of key 6

Configuration parameters

Use the configuration function of the Z-Wave controller to change these parameters. Values are decimal.

No.	Function	Size	Description	Default	Range
1	State after power failure	1	0: Off after power returns 1: Restore the last state	1	0-1
2	LED brightness	1	0: LED off 1-7: Minimum to maximum level	2	0-7
3	Beeper	1	0: Off for all keys 1: Off for keys 1-2, on for other keys 2: On for keys 1-2, off for other keys 3: On for all keys	1	0-3
4	Disable local control	1	Bit mask. Bit 0 to bit 5 = key 1 to key 6. 0 = enabled, 1 = disabled	0	0-7
5	Disable remote control	1	Bit mask. Bit 0 to bit 5 = key 1 to key 6. 0 = enabled, 1 = disabled	0	0-7
7	Key 1 mode	1	0: Each touch toggles on/off. 1: Default off. Turns off after the time in parameter 14. 2: Default on. Turns on after the time in parameter 14. 3: Momentary. On while you hold the key. 4: Hold more than 3 s to change state.	0	0-4
8	Key 2 mode	1	0: Each touch toggles on/off. 1: Default off. Turns off after the time in parameter 15. 2: Default on. Turns on after the time in parameter 15. 3: Momentary. On while you hold the key. 4: Hold more than 3 s to change state.	0	0-4
9	Key 3 mode	1	0: Each touch toggles on/off. 1: Default off. Turns off after the time in parameter 16. 2: Default on. Turns on after the time in parameter 16. 3: Sends switch, Central Scene, and click/long-press scene commands.	3	0-3
10	Key 4 mode	1	0: Each touch toggles on/off. 1: Default off. Turns off after the time in parameter 17. 2: Default on. Turns on after the time in parameter 17. 3: Sends switch, Central Scene, and click/long-press scene commands.	0	0-3

No.	Function	Size	Description	Default	Range
11	Key 5 mode	1	0: Each touch toggles on/off. 1: Default off. Turns off after the time in parameter 18. 2: Default on. Turns on after the time in parameter 18. 3: Sends switch, Central Scene, and click/long-press scene commands.	0	0-3
12	Key 6 mode	1	0: Each touch toggles on/off. 1: Default off. Turns off after the time in parameter 19. 2: Default on. Turns on after the time in parameter 19. 3: Sends switch, Central Scene, and click/long-press scene commands.	0	0-3
13	On/off duration, all keys	2	0: Infinite 1-32767: Time in seconds	0	0-32767
14	On/off duration, key 1	2	0: Infinite 1-32767: Time in seconds	0	0-32767
15	On/off duration, key 2	2	0: Infinite 1-32767: Time in seconds	0	0-32767
16	On/off duration, key 3	2	0: Infinite 1-32767: Time in seconds	0	0-32767
17	On/off duration, key 4	2	0: Infinite 1-32767: Time in seconds	0	0-32767
18	On/off duration, key 5	2	0: Infinite 1-32767: Time in seconds	0	0-32767
19	On/off duration, key 6	2	0: Infinite 1-32767: Time in seconds	0	0-32767
20	Scene key lock time	1	Lock time of the four scene keys after a key starts a scene. 0: Not locked 1-127: n x 0.1 s	0	0-127
23	Central Scene notifications	1	Bit mask. Bit 0 to bit 5 = key 1 to key 6. 0 = no command, 1 = send Central Scene	63	0-63
24	Key 1 scene activation mode	1	0: Disabled 1: Short press always sends scene ID 1 2: Sends only when the relay is open 3: Sends only when the relay is closed	0	0-3
25	Key 1 scene ID	1	0: No scene command 1-255: Scene ID	0	0-255
26	Key 1 scene delay	1	0: Immediate 1 to 127: Delay in seconds -1 to -127: Delay of (n + 128) minutes	0	-127 to 127
27	Key 2 scene activation mode	1	0: Disabled 1: Short press always sends scene ID 2 2: Sends only when the relay is open 3: Sends only when the relay is closed	0	0-3
28	Key 2 scene ID	1	0: No scene command 1-255: Scene ID	0	0-255
29	Key 2 scene delay	1	0: Immediate 1 to 127: Delay in seconds -1 to -127: Delay of (n + 128) minutes	0	-127 to 127

No.	Function	Size	Description	Default	Range
40-43	Scene response, keys 1 and 2	1	0: Disabled 1: Only key 1 responds 2: Only key 2 responds 3: Keys 1 and 2 respond	0	0-3
50	Key 3 short press scene ID	1	0: No scene command 1-255: Scene ID	0	0-255
51	Key 3 short press scene delay	1	0: Immediate 1 to 127: Delay in seconds -1 to -127: Delay of (n + 128) minutes	0	-127 to 127
60	Key 3 long press scene ID	1	0: No scene command 1-255: Scene ID	0	0-255
61	Key 3 long press scene delay	1	0: Immediate 1 to 127: Delay in seconds -1 to -127: Delay of (n + 128) minutes	0	-127 to 127
52	Key 4 short press scene ID	1	0: No scene command 1-255: Scene ID	0	0-255
53	Key 4 short press scene delay	1	0: Immediate 1 to 127: Delay in seconds -1 to -127: Delay of (n + 128) minutes	0	-127 to 127
62	Key 4 long press scene ID	1	0: No scene command 1-255: Scene ID	0	0-255
63	Key 4 long press scene delay	1	0: Immediate 1 to 127: Delay in seconds -1 to -127: Delay of (n + 128) minutes	0	-127 to 127
54	Key 5 short press scene ID	1	0: No scene command 1-255: Scene ID	0	0-255
55	Key 5 short press scene delay	1	0: Immediate 1 to 127: Delay in seconds -1 to -127: Delay of (n + 128) minutes	0	-127 to 127
64	Key 5 long press scene ID	1	0: No scene command 1-255: Scene ID	0	0-255
65	Key 5 long press scene delay	1	0: Immediate 1 to 127: Delay in seconds -1 to -127: Delay of (n + 128) minutes	0	-127 to 127
56	Key 6 short press scene ID	1	0: No scene command 1-255: Scene ID	0	0-255
57	Key 6 short press scene delay	1	0: Immediate 1 to 127: Delay in seconds -1 to -127: Delay of (n + 128) minutes	0	-127 to 127
66	Key 6 long press scene ID	1	0: No scene command 1-255: Scene ID	0	0-255
67	Key 6 long press scene delay	1	0: Immediate 1 to 127: Delay in seconds -1 to -127: Delay of (n + 128) minutes	0	-127 to 127

Restore factory settings

Touch any key 20 times in succession, or remove the device from the Z-Wave network. The device sends a Device Reset Locally notification to the controller.

NOTE

Use the local reset only when the primary controller is missing or does not operate.

Technical data for integrators

Generic device type	Binary Switch
Endpoints	Root plus 6 endpoints. Key n = endpoint n
Command classes	Z-Wave Plus Info, Association, Association Group Information, Multi Channel Association, Multi Channel, Basic, Binary Switch, Central Scene, Scene Activation, Scene Actuator Configuration, Configuration, Device Reset Locally
Multi Channel command	MULTI_CHANNEL_CMD_ENCAP with Basic Set/Get or Binary Switch Set/Get. Value 0xFF = on, 0x00 = off

Regulatory information

FCC ID: **[TBC: confirm FCC ID printed on the product label]**

FCC Part 15.19 statement

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.

FCC Part 15.21 statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Part 15.105(b) statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Limited warranty

Horus Automation warrants this product to be free from defects in material and workmanship under normal and proper use for one (1) year from the date of original purchase. During this period, Horus Automation will repair or replace, at its option, any part that is defective because of materials or workmanship.

This limited warranty does not cover damage that results from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, or unauthorized disassembly, repair, or modification.

This limited warranty does not apply if: (i) the product was not used in accordance with these instructions, (ii) the product was not used for its intended function, (iii) the identification label was altered, obliterated, or removed, or (iv) the product was sold second-hand.

Support

For installation and technical support, contact your authorized Horus distributor or dealer.

Web: www.horusautomation.com | Email: sales@horusautomation.com

Specifications can change without notice.