

10002021-XXX / 10003021-XXX
10004021-13X / 1005021-13X / 10006021-y3X

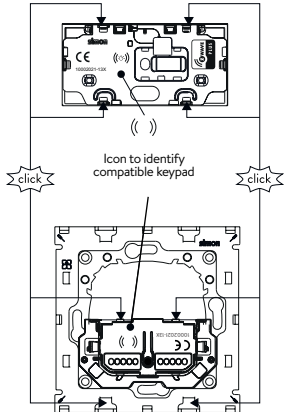
Características técnicas

	Voltage Supply From 10000306-039	INTERFACE CONNECTOR To be plugged on 10000306-039	INDICATORS 7LED
	40°C 0°C		90%HR
	IP20		CE
			Download on the App Store
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INSTALAÇÃO



DESCRIPTION

Once plugged to 10000306-039 this key permits the control of loads or devices, via Basic Set Commands.

KEYPAD USE & FEEDBACKS

EVENT	KEYPAD ACTION	DEVICE ESTATUS	FEEDBACK LEDS	DEVICE ACTUATION
	No pressed		- OFF (Reference setting point 1 and I2) - Key not associated with a Z-Wave network: intermittent of 2sec. - Error: intermittent of 0.1sec.	
Activate touch area	Touch detected	Not Associated	Central LED blinks ntermittent of 0.1sec. for 5 seconds	
		Associated to 1 non Simon device	LEDs light up 5 seconds showing the dimming control value.	Key consults the associated control via (Configuration Get Param 20). While controlled device report is not received the key will set the controlled device on Unknown state.
		Associated to 1 non Simon device	LEDs light up 5 seconds showing the dimming control value.	Key consults the associated control via (Basic Get). While controlled device report is not received the key will set the controlled device on Unknown state.
		Associated to n>1 devices	LEDs light up 5 seconds showing the last dimming value sent.	The Key decides the Control state according its last sent value
		Controlled device status is known and OFF	LEDs light up 5 seconds showing the dimming control value.	Basic Set with value 0x0X according the dimming value to send to associated device
		Controlled device status is known and ON	LEDs turns off.	Basic Set with value 0x00 is sent to associated device
		Controlled device status is unknown		If controlled device status is not asked yet, Key will consult the its status and will toggle it and give the feedback as described on the 2 previous rows.
		Not Associated	Central LED blinks for 5 seconds	
Add/Remove from Z-Wave	Long press 2s<t<10s		Central LED blinks after key release	Device sends a Node Info to be added or removed into or from a Z-Wave network
Associate/ Disassociate	Long press 2s<t<10s		Central LED blinks slow for Association Time (15 seconds).	Each time a Node Info is received from a device of the same network, the key will associate this device to its control Group (if it wasn't already in) or Disassociate(it device was in). Association Time will be restored and if the associated device is a Simon's device Central LED will be turned ON during Association Process.
Reset default**	Long press t>30s		OK LED light up for 2.5 sec.	Reset to default state.

* Some of the functions can be changed depending on the configuration parameters.
** Please use this procedure only when the network primary controller is missing or otherwise inoperable.

Z-WAVE COMPLIANCE

This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

Z-WAVE SPECIFICATIONS

Z-WAVE DEVICE SPECIFICATION	
Device Type	WALL_CONTROLLER
Generic Device Type	GENERIC_TYPE_WALL_CONTROLLER
Specific Device Type	SPECIFIC_TYPE_BASIC_WALL_CONTROLLER
Role Type	ROLE_TYPE_SLAVE_ALWAYS_ON

CONTROLLER COMMAND CLASSES	
COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2	
COMMAND_CLASS_BASIC_V1	
COMMAND_CLASS_MULTILEVEL_SWITCH_V3	
COMMAND_CLASS_ASSOCIATION_V2	
COMMAND_CLASS_CONFIGURATION_V2	
COMMAND_CLASS_CENTRAL_SCENE_V2	

SUPPORTED COMMAND CLASSES	
COMMAND_CLASS_ZWAVEPLUS_INFO_V2	
COMMAND_CLASS_VERSION_V2	
COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2	
COMMAND_CLASS_BASIC_V1	
COMMAND_CLASS_MULTILEVEL_SWITCH_V3	
COMMAND_CLASS_ASSOCIATION_V2	
COMMAND_CLASS_ASSOCIATION_GRP_INFO_V3	
COMMAND_CLASS_POWERLEVEL_V1	
COMMAND_CLASS_CONFIGURATION_V2	
COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1	
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V4	
COMMAND_CLASS_CENTRAL_SCENE_V2	

ASSOCIATION GROUPS

Groups	Group 1 (Lifeline) -> Name "LIFELINE"
Max. devices in Group	3
Automatic reports	After reset the Z-Wave module, a DEVICE-RESET-LOCALLY-NOTIFICATION is sent. Pressing without having nodes associated with the control group is notified by a CENTRAL_SCENE_NOTIFICATION

Groups	Group 2 (Control) -> Name "CONTROL"
Max. devices in Group	20
Actions	During Association process or then Association Set is received CC Manufacturer Specific, Manufacturer Specific Get: (to discover manufacturer) CC Association, Association Set: (review param 28 to know more about this command use). CC Association, Association Remove: (review param 28 to know more about this command use). CC Configuration, Configuration Set Param 1, 0xFF -> when association process is started this Configuration Set will be sent to all Simon devices in group to identify devices involved in this group. CC Configuration, Configuration Set Param 1, 0x00 -> when association process is finished this Configuration Set will be sent to all Simon devices in group to identify devices involved in this group. CC Configuration, Configuration Set Param 1, 0xFF -> Sent when a new device is associated thought association process and this device is a Simon device. CC Configuration, Configuration Set Param 1, 0x00 -> Sent when a device is disassociated thought association process and this device is a Simon device. When Touch area is detected o key is pressed without touch area detection: CC Configuration, Configuration Get, Param 21 -> Sent if param 28 value is 0x00, there is only 1 device is associated and it is a Simon device. Used to know the associated device state. CC Basic, Basic Get -> Sent if param 28 value is 0x00, there is only 1 device is associated and it is not a Simon device. Used to know the associated device state. When pressed and later than knowing the controlled devices state: COMMAND_CLASS_BASIC_SET It is sent to the associated nodes after a push to change its state: Value: 0xFF to enable / 0x00 to disable It is relayed to the associated nodes when Z-Wave receives a BASIC_SET. COMMAND_CLASS_MULTILEVEL_SET It is sent to the associated nodes after a push to change its state: It is relayed to the associated nodes upon receipt by Z-Wave.

CONFIGURATION

NAME	SIZE	VALUE
1 Association LED	1	0x00 -> Turns the LED OFF (Default value) 0xFF -> Turns the LED ON
12 Behavior of LED in Repose	1	0x00 -> LED OFF (Default value) 0xFF -> LED on at 20% of maximum level
13 Lock Input	1	0x00 -> Unlock the direct control of load. (Default value) 0xFF -> Lock the direct control of load.
15 Reset Default (Write Only)	2	0x9867 -> Parameters, Groups, and Z-Wave status are restored to default value. 0x4312 -> Parameters, except Lock long press are restored to default.
18 Manual association lock	1	0x00 --> Unblocked (Default value) 0xFF -> Blocked
19 Press Action	1	0 -> (Default value) Pressing t <2sec switches between the last power on and off (depending on the status of the associated control) by sending a Basic Set to 0x00 or 0xFF to the associated nodes. The Slider does not work. 1 -> Pressing t <2sec always activates those associated with the last power on by sending a Basic Set to 0xFF 2 -> Pressing t <2sec always deactivates associates by sending a Basic Set to 0x00 4 -> Pressing 0sec <t <2sec always activates the associated nodes by sending a Basic Set to 0xFF Pressing 2sec <t <10sec always turns off the associated nodes by sending a Basic Set to 0x00 * Does not send Node Info nor does the central LED flash. 5 -> The described actions are performed for value 0, but sending the Multilevel Set
20 Identify (Write only)	1	0xFF -> The central LED blinks for 5 seconds in order to identify the device.
21 Device State (Read Only)	2	B0 -> 0x00 Load is OFF 0x01 Load is ON B1 -> Lighting % Level associated node
27 Lock long press	1	0x00 Long press works as described previously.(Default value) 0xFF Long press of 2s<t<10s don't send the Node Info Long press of t>30s Parameters, except Lock long press are restored to default and device sends a Node Info.
28 Consult on Touch detection	1	0x00 -> (if there is 1 Associated device) when Touch is detected, controlled device state will be consult. (Default) 0xFF -> (if there is 1 Associated device) when Touch is detected, controlled device state is not consulted. When Associated devices number is changed and before or after association there is 1 Simon's device, the key will perform an Association Set o Remove to be informed about controlled device state or reduce the traffic on Z-Wave network. When the param value is 0xFF and one device is associated: -Si associated devices goes from 0 to 1 or from 2 to 1 and it is a Simon device, the Key will send an Association Set to the Device group 2. (If it is not a Simon's device please associate them manually) -If associated devices goes from 1 to 0 or from 1 to 2 and the first device is a Simon device, The key Send an Association Remove to group 2 of the first device. (If it is not a Simon's device please disassociate them manually)
29 Enable automatic reporting CENTRAL_SCENE	1	0x00 -> Enables CC Central Scene Notification when there are no nodes associated with the control group and Inhibits error signaling by pressing t <2s if there are no associated nodes. 0xFF -> Enables error signaling by pressing t <2s if there are no associated nodes.

⚠ All These configurations are not restored to default when device is removed from network. COMMAND_CLASS_DEVICE_RESET_LOCALLY -> DEVICE_RESET_LOCALLY_NOTIFICATION will be sent to inform controller that node has been removed from network, but the device will keep the current configurations.
To restore the configurations values, please perform one of these actions:
- Use Command CONFIGURATION SET with default bit to 1 for each configuration parameter.
- Perform Reset Default Action via keypad pressing or Configuration command Default.

