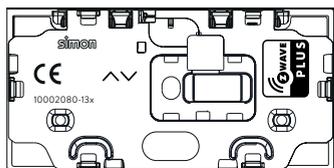## simon
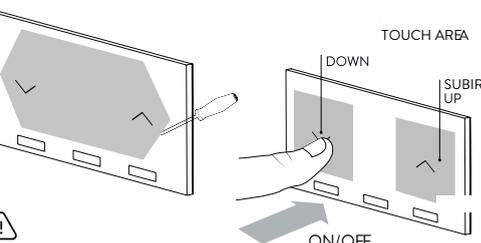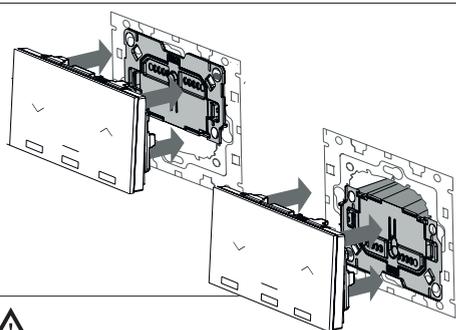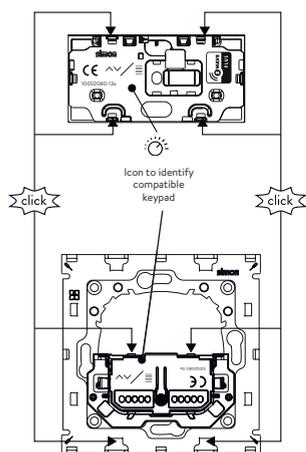

10002080-XXX / 10003080-XXX
10004080-13X / 10005080-13X / 10006080-130

Características técnicas

	Voltage Supply From	INTERFACE CONNECTOR	INDICATORS
ZWAVE PLUS	10000320-039	To be plugged on 10000320-039	7 LED

40°C 0°C	90%HR	IP20	CE
EAC			App Store / Google play

INSTALLATION

Icon to identify compatible keypad

⚠ Unpower the 10001358-039 before connecting the rocker.

⚠ To remove it is necessary to use a tool applied in the marked areas.

TOUCH AREA

DOWN — SUBIR UP — ON/OFF

DESCRIPTION

Once cvonnected to 10001358-039 this key permits the direct control of a sunblind motor, awing or similar. Control is also possible by using Z-Wave devices.

KEYPAD USE & FEEDBACKS

EVENT	KEYPAD ACTION	SUNDBLIND STATE	FEEDBACK LEDS	SUNDBLIND ACTION
	No pushed		- OFF (Reference setting point 1 and 12) - Key not associated with a Z-Wave network: intermittent of 2sec. - Error: intermittent of 0.1sec.	
Slider Area touch	Touch detected	STOPPED	Right LED (UP) and left LED (DOWN) light for 5 sec	
Press key	Short press (T<2sec) in left side (DOWN) of touch area	STOPPED	Left LED blinks while sunblind goes down	GOES DOWN
		MOVING	Up and down LEDs light up for 5sec	STOPS
	Short press (T<2sec) in right side (UP) of touch area	STOPPED	Right LED blinks while sunblind goes up.	GOES UP
		MOVING	Up and down LEDs light up for 5sec	STOPS
Calibrate[2]	Long press 10s<t<15s		Right and left LEDs blink during calibration.	Default up and down times are 60sec. When calibrating the sunblind controller adjusts the times to each sunblind. First it goes down completely, it goes up completely and it sets the new up time. Then it goes down completely and sets the new down time.
Set up and down times manually	Short press during calibration			In sunblind motor with less than 50W, the calibration is not automatic. User can set up the up time or the down time by pressing the keypad once the sunblind reaches the top or the bottom during calibration.[1]
Change Mode sunblind/window Shutter	Long press 15s<t<30s		All leds blink	Change working mode between sunblind and awing.[3]
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 or associated with a node
Reset default**	Long press t>30s		Main LED light up 2.5 sec.	Reset to default state. Default time to going up and going down times are 60sec.

1 If the user presses the key during the calibration without the sunblind being at the end of the stroke, the stored time will be wrong.
2 Maximum up/ down times are 60sec.
3 This mode change only applies for centralizations gerated with sunblind switch 10002080-13X.
* 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

DEVICE SPECIFICATION	
Device Type	WINDOW COVERING POSITION/ENDPOINT AWARE
Generic Device Type	GENERIC_TYPE_SWITCH_MULTILEVEL
Specific Device Type	SPECIFIC_TYPE_POWER_SWITCH_MULTILEVEL
Role Type	ROLE_TYPE_SLAVE_ALWAYS_ON

SUPPORTED COMMAND CLASSES
COMMAND_CLASS_ZWAVEPLUS_INFO_V2
COMMAND_CLASS_VERSION_V2
COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
COMMAND_CLASS_BASIC_V1
COMMAND_CLASS_SWITCH_MULTILEVEL_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_SWITCH_BINARY

ASSOCIATION GROUPS

Groups	Group 1 (Lifeline) -> Name "LIFELINE"
Max. devices in Group	3
Actions	Position Report when Sunblind is stopped and is changed: - % new position -> CC Basic, Basic Report, Value 0xXX from 0x00 to 0x63 Calibration requirement change. (If device needs to be calibrated and is Added into a Z-Wave network, it will report after receive an Association Set of life line). - Calibration required -> CC Configuration, Configuration Report, Param 23, Value 0xFF - Calibration not required -> CC Configuration, Configuration Report, Param 23, Value 0x00 After reset the Z-Wave module, a DEVICE-RESET-LOCALLY-NOTIFICATION is sent.

Groups	Group 2 (Control) -> Name "CTRL"
Max. devices in Group	20
Actions	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. COMMAND_CLASS_BASIC_REPORT Associates are sent when the sunblind remains stoped for 1.5s after changing positions. % New position -> CC Basic, Basic Report, Value 0x00 - 0x63

CONFIGURATION

	NAME	SIZE	VALUE
1	Association LED	1	0x00 -> Turns the LED OFF (default value) 0xFF -> Turns the LED ON
4	UP Time	1	0x00 Instantly (default value)
			0x01-0x7F 1 second (0x01) to 127 seconds (0x7F) in 1 second resolution.
5	DOWN Time	1	0x80-0xFE 1 minute (0x80) to 127 minutes (0xFE) in 1 minute resolution.
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. (Def. value) 0xFF -> Lock the direct control of load.
14	Calibration[1]	0	
15	Reset Default	2	0x9867 -> Parameters, Groups, and Z-Wave status are restored to default. (Write Only) 0x4312 -> Parameters, except Lock long press are restored to default.
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 -> 0x00 Load is OFF 0xFF Load is ON
23	Calibration required (Read only)	1	0x00 -> Calibration is not required 0xFF -> It is necessary to calibrate the dimmer to work properly
24	Operating Mode	1	0x00 -> Operating mode for Window Shutter 0xFF -> (Default) Operating Mode for SundBlinds
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.

[1] Después de agregar el valor de calibración, el dispositivo realizará el proceso de calibración.

⚠ After write the calibration value the device will perform a calibration process. 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:
- Command CONFIGURATION SET with default bit to 1 when each configuration is written.
- Press and hold for 30 seconds or send a CONFIGURATION SET with the parameter 15 and the proper value.

simon