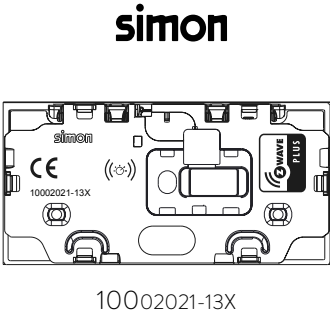


TECLA INTERRUPTOR  
MASTER REGULABLE IO

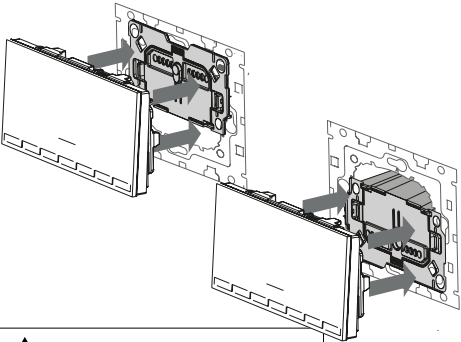
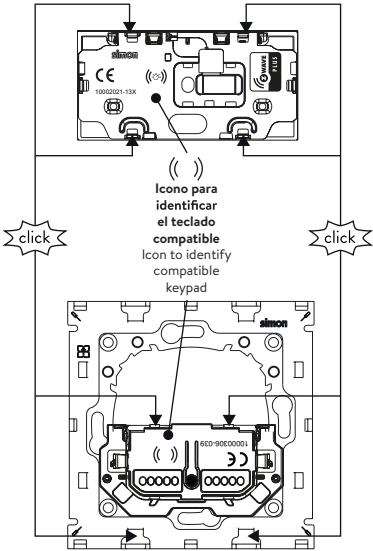
ROCKER FOR IO MASTER  
DIMMER



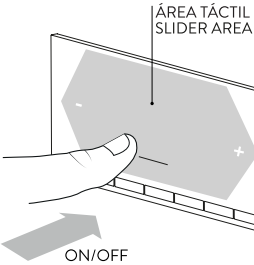
Características técnicas  
Technical characteristics

|                              |                          |                                        |                                                            |            |
|------------------------------|--------------------------|----------------------------------------|------------------------------------------------------------|------------|
| Z-Wave                       | 868.42<br>MHZ            | Voltage Supply<br>From<br>10000306-039 | INTERFACE<br>CONNECTOR<br>To be plugged on<br>10000306-039 | INDICATORS |
| UE                           |                          |                                        |                                                            | 7LED       |
| 40°C<br>0°C                  | 90%HR                    | IP20                                   | ZWAVE<br>PLUS                                              | CE         |
| Download on the<br>App Store | Get it on<br>Google play |                                        |                                                            |            |

INSTALACIÓN - INSTALLATION



⚠  
Quite la alimentación del 10000306-039  
antes de conectar la tecla.  
Unpower 10000306-039 before key  
connection.



CASTELLANO

DESCRIPCIÓN

Una vez conectado a 10000306-039, esta tecla permite el control de cargas o dispositivos via Z-Wave mediante comandos Basic Set y Multilevel Set.

USO DE TECLADO Y RESPUESTAS

| SUCESO                                               | ACCIÓN<br>TECLADO           | ESTADO DEL<br>EQUIPO                                   | FEEDBACK LEDS                                                                                                                                                                       | ACTUACIÓN DEL<br>EQUIPO                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------|-----------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                      | No presionado               |                                                        | - OFF (Referencia a la<br>tabla de configuración<br>punto 1 y 12)<br>- Tecla no incluida en<br>una red Z-Wave, inter-<br>mitencia de 2seg.<br>- Error, intermitencia<br>de 0,1 seg. |                                                                                                                                                                                                                                                                                                                                                                                                |
| Tocar área<br>táctil                                 | Detecta tacto               | Desasociado                                            | LED central realiza In-<br>termitencia de 0,1 seg.<br>durante 2 segundos                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                      |                             | Asociado a<br>1 dispositivo<br>Simon                   | Se Activan los LEDs<br>según el valor de regula-<br>ción del control asocia-<br>do durante 5 segundos.                                                                              | Se consulta el estado de<br>la carga (mediante Con-<br>figuration Get Param 21).<br>Mientras no se reciba el<br>report del dispositivo aso-<br>ciado no se conoce el es-<br>tado del control asociado.                                                                                                                                                                                         |
|                                                      |                             | Asociado a 1<br>dispositivo No<br>Simon                | Se Activan los LEDs<br>según el valor de regula-<br>ción del control<br>asociado durante 5<br>segundos.                                                                             | Se consulta el estado de<br>la carga (mediante Basic<br>Get). Mientras no se<br>reciba el report del dispo-<br>sitivo asociado no se co-<br>noce el estado del control<br>asociado.                                                                                                                                                                                                            |
|                                                      |                             | Asociado a n>1<br>dispositivos                         | Se Activan los LEDs<br>según el ultimo valor<br>de regulación envia-<br>do.                                                                                                         | La propia Tecla decide<br>el estado de los con-<br>troles asociados según<br>el último valor enviado.                                                                                                                                                                                                                                                                                          |
| Pulsar tecla                                         | Pulso breve<br>(t<2s)       | El asociado es<br>Inactivo                             | Se Activan los LEDs se-<br>gún el valor de regula-<br>ción del control asocia-<br>do durante 5 segundos.                                                                            | Se envía Basic Set 0xXX<br>dependiendo del último<br>valor de regulación.                                                                                                                                                                                                                                                                                                                      |
|                                                      |                             | El asociado es<br>Activo                               | Los LEDs que mues-<br>tran el valor de regula-<br>ción se desco-<br>nectan                                                                                                          | Se envía Basic Set<br>0x00 al dispositivo<br>asociado                                                                                                                                                                                                                                                                                                                                          |
|                                                      |                             | No Se conoce<br>el estado del<br>control aso-<br>ciado |                                                                                                                                                                                     | Si no se había realizado la<br>consulta del estado del<br>control asociado, se reali-<br>za esta consulta. Una vez<br>se obtiene el valor, este se<br>invierte y se realiza un fee-<br>dback de los LEDs según<br>lo establecido en las dos<br>filas anteriores.                                                                                                                               |
|                                                      |                             | Desasociado                                            | LED central realiza<br>Intermitencia duran-<br>te 5 segundos                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                |
| Añadir/<br>asociar o<br>eliminar de la<br>red Z-Wave | Pulsación larga<br>2s<t<10s |                                                        | LED central parpadea<br>hasta liberar pulsación                                                                                                                                     | El dispositivo envía un<br>Node Info para inclui-<br>rse o excluirse de la red<br>Z-Wave                                                                                                                                                                                                                                                                                                       |
| Asociar/Des-<br>asociar                              | Pulsación larga<br>2s<t<10s |                                                        | LED central parpa-<br>dea lento durante el<br>tiempo de asociación<br>(15 segundos).                                                                                                | Cada vez que se reci-<br>ba un Node Info de un<br>equipo de la misma red<br>Z-Wave la tecla asociará<br>el equipo a su grupo de<br>control (en caso de no<br>tenerlo en el grupo) o lo<br>desasociará (en caso de<br>tenerlo).<br>Se resetea el tiempo de<br>asociación y si el dispo-<br>sitivo asociado es Simon<br>Se activa el LED central<br>mientras dure el proce-<br>so de asociación. |
| Restablecer va-<br>lores de fabrica. t>30s           | Pulsación larga<br>t>30s    |                                                        | LED central se encien-<br>de durante 2,5 seg.                                                                                                                                       | Se vuelve al estado de<br>fábrica.                                                                                                                                                                                                                                                                                                                                                             |

\* Algunas de las funciones o respuestas pueden cambiar en función de los parámetros de configuración.

CONFORMIDAD CON PROTOCOLO Z-WAVE

Este producto se puede incluir y gestionar en una red Z-Wave, trabajando con dispositivos y aplicaciones certificados Z-Wave de otros fabricantes. Todos los dispositivos que no vayan a baterías actúan como repetidores dentro de la red Z-Wave con el fin de incrementar la fiabilidad de la red.

ESPECIFICACIONES Z-WAVE

| ESPECIFICACIÓN DEL DISPOSITIVO Z-WAVE  |                                     |
|----------------------------------------|-------------------------------------|
| 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           |
| COMMAND CLASSES CONTROLADAS            |                                     |
| 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         |                                     |

| COMMAND CLASSES SOPORTADAS             |  |
|----------------------------------------|--|
| 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         |  |

GRUPOS DE ASOCIACIÓN

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grupo                  | Grupo 1 (Lifeline) -> Nombre "LIFE"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Número de dispositivos | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reports Automáticos    | Al resetear el modulo Z-Wave se envía un DEVICE_RESET_LOCALLY_NOTIFICATION. Al realizar una pulsación sin tener nodos asociados al grupo de control se notifica mediante un CENTRAL_SCENE_NOTIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Grupo                  | Grupo 2 (Control) -> Nombre "CTRL"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Número de dispositivos | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Acciones               | Durante el proceso de Asociacion o cuando un Association Set es recibido:<br>CC Manufacturer Specific, Manufacturer Specific Get: (para conocer el fabricante)<br>CC Association, Association Set: (revise el parámetro 28 para conocer más acerca de como se emplea este comando).<br>CC Association, Association Remove: (revise el parámetro 28 para conocer más acerca de cómo se emplea este comando).<br>CC Configuration, Configuration Set Param 1, 0xFF -> Cuando se inicia el proceso de Asociación se envía este Configuration Set a todos los dispositivos Simon asociados para identificar los dispositivos que forman parte del grupo.<br>CC Configuration, Configuration Set Param 1, 0x00 -> Cuando finaliza el proceso de Asociación este Configuration Set se envía a todos los dispositivos Simon asociados.<br>CC Configuration, Configuration Set Param 1, 0xFF -> Enviado cuando un Nuevo dispositivo es asociado mediante el proceso de Asociación y este es un dispositivo Simon.<br>CC Configuration, Configuration Set Param 1, 0x00 -> Enviado cuando un dispositivo es desasociado mediante el proceso de Asociación y este es un dispositivo Simon.<br>Cuando el área táctil es activada o cuando se pulsa sin haber detección en el área táctil:<br>CC Configuration, Configuration Get, Param 21 -> Enviado si el parámetro 28 tiene valor 0x00, solo hay 1 dispositivo asociado y este es un dispositivo Simon.<br>Usado para conocer el estado del dispositivo asociado.<br>CC Basic, Basic Get -> Enviado si el parámetro 28 tiene valor 0x00, solo hay 1 dispositivo asociado y este es un dispositivo NO Simon. Usado para conocer el estado del dispositivo asociado.<br>CC Multilevel, Multilevel Set, 0x00 < value < 0x64 -> Enviado sin ACK cada 100ms cuando control está activo y el dedo se desliza por el área táctil<br>Al pulsar y una vez conocido el estado de los dispositivos asociados:<br>COMMAND_CLASS_BASIC_SET<br>Se manda a los nodos asociados tras una pulsación para cambiar su estado:<br>Valor: 0xFF para activar / 0x00 para desactivar<br>Se retransmite a los nodos asociados al recibir por Z-Wave un BASIC_SET.<br>COMMAND_CLASS_MULTILEVEL_SET<br>COMMAND_CLASS_MULTILEVEL_START_LEVEL_CHANGE<br>COMMAND_CLASS_MULTILEVEL_STOP_LEVEL_CHANGE<br>Se manda a los nodos asociados tras una pulsación para cambiar su estado:<br>Se retransmite a los nodos asociados al recibirlo por Z-Wave. |

CONFIGURACIONES

|    | NOMBRE                                      | TAMAÑO | VALOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----|---------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | LED CENTRAL                                 | 1      | 0x00 -> Apaga el LED (por defecto)<br>0xFF -> Enciende el LED CENTRAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 12 | Estado LED en reposo                        | 1      | 0x00 -> LED apagado (Valor por defecto)<br>0xFF -> LED CENTRAL al 20% del nivel máximo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 13 | Bloquear entrada                            | 1      | 0x00 -> Desbloquea la actuación sobre la carga. (Valor por defecto)<br>0xFF -> Bloquea la actuación sobre la carga.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 15 | Restaurar valores (Solo escritura)          | 2      | 0x9867 -> Parámetros, Grupos y estado Z-Wave se restauran a los valores por defecto.<br>0x4312 -> Los parámetros, a excepción del Bloquear Pulsación Larga se restauran a los valores por defecto.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 19 | Acción al Pulsar                            | 1      | 0 -> (Valor por defecto) Al pulsar t<2seg se conmuta entre apagado y encendido al último valor de encendido (en función del estado del control asociado) enviando un Basic Set a 0x00 o 0xFF a los nodos asociados. No funciona el Slider.<br>1 -> Al pulsar t<2seg siempre se activan los asociados al último valor de encendido enviando un Basic Set a 0xFF<br>2 -> Al pulsar t<2seg siempre se desactivan los asociados enviando un Basic Set a 0x00<br>4 -> Al pulsar 0seg<t<2seg siempre se activan los nodos asociados enviando un Basic Set a 0xFF<br>Al pulsar 2seg<t<10seg siempre se Desactivan los nodos asociados enviando un Basic Set a 0x00<br>*No envía Node Info ni parpadea el LED central.<br>5 -> Se realizan las acciones descritas para valor '0', pero enviando las tramas Multilevel Set                                                                                                                                                                                                                                                                                                    |
| 20 | Identificar (Solo escritura)                | 1      | 0xFF -> La tecla activa una intermitencia en el LED central durante 5 segundos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 21 | Estado del dispositivo (Solo lectura)       | 2      | B0 -> 0x00 si la carga esta desactivada<br>0x01 si la carga está activada<br>B1 -> 0x00 Carga desactivada<br>0xFF Carga activa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 27 | Bloquear Pulsación Larga                    | 1      | 0x00 -> La pulsación larga funciona según lo descrito anteriormente. (Valor por defecto)<br>0xFF -> La pulsación de 2s<t<10s no envía Node Info<br>La pulsación de t>30s restaura los parámetros de configuración excepto Bloquear Pulsación Larga y envía un Node Info.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 28 | Consultar al detectar Touch                 | 1      | 0x00 -> (En caso de que solo se controle 1 dispositivo) Al detectar Touch se realiza la consulta del estado del dispositivo controlado<br>0xFF -> (Defecto) (En caso de que solo se controle 1 dispositivo) Se escucha el estado del dispositivo y no se lanza una consulta al detectar touch.<br>Cuando cambia el número de dispositivos asociados y en algún momento previo o posterior a la asociación hay un solo dispositivo Simon asociado, la tecla realizará un Association Set o Remove para conocer el estado de la carga en todo momento o evitar el envío de tramas innecesarias.<br>Cuando su valor es 0xFF y se añade un dispositivo:<br>-Si se pasa de 0 a 1 o de 2 a 1 dispositivos y este es Simon, se envía un Association Set al grupo 2 del dispositivo controlado. (En caso de no ser dispositivo Simon realice esta asociación manualmente)<br>-Si se pasa de 1 a 0 o de 1 a 2 dispositivos y el primer dispositivo es Simon, se envía un Association Remove al grupo 2 del primer dispositivo del grupo controlado. (En caso de no ser dispositivo Simon elimine esta asociación manualmente) |
| 29 | Habilitar reports automáticos CENTRAL_SCENE | 1      | 0x00 -> Habilita la CC Central Scene Notification cuando no hay nodos asociados al grupo de control e Inhibe la señalización de error al pulsar t<2s si no hay nodos asociados.<br>0xFF -> Habilita la señalización de error al pulsar t<2s si no hay nodos asociados.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

⚠ Estas configuraciones no son restablecidas a los valores por defecto cuando el dispositivo es eliminado de la red. Únicamente COMMAND\_CLASS\_DEVICE\_RESET\_LOCALLY -> DEVICE\_RESET\_LOCALLY\_NOTIFICATION será enviado para informar que el nodo ha sido eliminado de la red, pero mantendrá las configuraciones establecidas.  
Para restaurar las configuraciones realice una de las siguientes acciones:  
- Command CONFIGURATION SET con default bit a 1 al escribir cada configuración.  
- Realice una pulsación larga de 30 segundos o envíe un CONFIGURATION SET con el parámetro 15 y el valor adecuado.

ENGLISH

DESCRIPTION

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

KEYPAD USE & FEEDBACKS

| EVENT                  | KEYPAD ACTION       | DEVICE ESTATUS                            | FEEDBACK LEDS                                                                                                                                     | DEVICE ACTUATION                                                                                                                                                                                                                                                                                                                        |
|------------------------|---------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | No press            |                                           | - OFF (Reference setting point 1 and 12)<br>- Key not associated with a Z-Wave network: intermittent of 2sec.<br>- 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 Simon device              | LEDs light up 5 seconds showing the dimming control value.                                                                                        | Key consults the associated control via (Configuration Get Param 21). 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                                                                                                                                                                                                                                                                         |
| Press key              | Short press (t<2s)  | Controlled device status is known and OFF | LEDs light up 5 seconds showing the dimming control value.                                                                                        | Basic Set with value 0xXX 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 controled 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                                                                                                                                                                                                                                                           |
| Assocaite/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 (if 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    |                                           | Main LED light up for 2.5 sec.                                                                                                                    | Reset to default state.                                                                                                                                                                                                                                                                                                                 |

\* Some of the functions can be changed depending on the configuration parameters.

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           |

| 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         |

| 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         |

ASSOCIATION GROUPS

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Groups                | Group 1 (Lifeline) -> Name “LIFE”                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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 1 (Control) -> Name “CONTROL”                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Max. devices in Group | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Actions               | During Association process or then Association Set is received<br>CC Manufacturer Specific, Manufacturer Specific Get: (to discover manufacturer)<br>CC Association, Association Set: (review param 28 to know more about this command use).<br>CC Association, Association Remove: (review param 28 to know more about this command use).<br>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.<br>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.<br>CC Configuration, Configuration Set Param 1, 0xFF -> Sent when a new device is associated thought association process and this device is a Simon device.<br>CC Configuration, Configuration Set Param 1, 0x00 -> Sent when a device is disassociated thought association process and this device is a Simon device.<br>When Touch area is detected o key is pressed without touch area detection:<br>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.<br>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.<br>When pressed and later than knowing the controlled devices state:<br>COMMAND_CLASS_BASIC_SET<br>It is sent to the associated nodes after a push to change its state:<br>Value: 0xFF to enable / 0x00 to disable<br>It is relayed to the associated nodes when Z-Wave receives a BASIC_SET.<br>COMMAND_CLASS_MULTILEVEL_SET<br>COMMAND_CLASS_MULTILEVEL_START_LEVEL_CHANGE<br>COMMAND_CLASS_MULTILEVEL_STOP_LEVEL_CHANGE<br>It is sent to the associated nodes after a push to change its state:<br>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)<br>0xFF -> Turns the LED ON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 12 | Behavior of LED in Repose                | 1    | 0x00 -> LED OFF (Default)<br>0xFF -> LED on at 20% of maximum level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 13 | Lock Input                               | 1    | 0x00 -> Unlock the direct control of load. (Default)<br>0xFF -> Lock the direct control of load.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 15 | Reset Default (Write Only)               | 2    | 0x9867 -> Parameters, Groups, and Z-Wave status are restored to default.<br>0x4312 -> Parameters, except Lock long press are restored to default.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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.<br>1 -> Pressing t <2sec always activates those associated with the last power on by sending a Basic Set to 0xFF<br>2 -> Pressing t <2sec always deactivates associates by sending a Basic Set to 0x00<br>4 -> Pressing 0sec <t <2sec always activates the associated nodes by sending a Basic Set to 0xFF<br>Pressing 2sec <t <10sec always turns off the associated nodes by sending a Basic Set to 0x00<br>* Does not send Node Info nor does the central LED flash.<br>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<br>0x01 Load is ON<br>B1 -> 0x00 Load is OFF<br>0xFF Load is ON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 27 | Lock long press                          | 1    | 0x00->Long press works as described previously. (Default)<br>0xFF->Long press of 2s<t<10s don't sends the Node Info<br>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)<br>0xFF ->(if there is 1 Associated device) when Touch is detected, controlled device state is not consulted.<br>When Assocaited 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.<br>When the param value is 0xFF and one device is associated:<br>-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)<br>-If associated devices goes from 1 to 0 or from 1 to 2 and the first device is a Simon device, The key Sends 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.<br>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 Command Reset Default.

