Walli

Controller

Remote control of electrical devices in Z-Wave network

Compatible with Yubii® ECOSYSTEM

EN - Instructions and warnings for installation and use

v1.3

Nice

1 WARNINGS AND GENERAL PRECAUTIONS

- **This manual contains important instructions and warnings for personal safety.** Carefully read all parts of this manual. If in doubt, suspend installation immediately and contact Nice Technical Assistance.
- **Using this product for different purposes than specified in this manual is strictly forbidden!**
- The product packaging materials must be disposed of in full compliance with local regulations.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.
- Never apply modifications to any part of the device. Operations other than those specified can cause malfunctions. The manufacturer declines all liability for damage caused by makeshift modifications to the product.
- Never place the device near the sources of heat or expose to naked flames. These actions can damage the product and cause malfunctions.
- The manufacturer will not be held responsible for any damage or loss of warranty privileges for other connected devices if the connection isn't compliant with their manuals.
- Don't use in damp or wet locations, near a bathtub, sink, shower, swimming pool, or anywhere else where water or moisture are present.
- This product isn't a toy. Keep away from children and animals!

2 PRODUCT DESCRIPTION

Walli Controller is a smart wall-mounted Z-Wave® remote controller that can activate scenes or control other Z-Wave® devices using associations.

2.1 - Main features

- Can be used for controlling multiple types of devices, such as switches, dimmers, roller shutters
- Can be configured beforehand, which makes the operation easy to adjust for different types of controlled devices
- Can be powered with a battery or voltage direct current (VDC)
- Is equipped with a built-in temperature sensor
- Supports Z-Wave® network Security Modes: S0 with AES-128 encryption and S2 Authenticated with PRNG-based encryption.
- Works as a Z-Wave® signal repeater when VDC powered (all non-battery operated devices within the network act as repeaters to increase reliability of the network).

2.2. - Fully compatible Z-Wave Plus® device

This device can be used with all devices certified with the Z-Wave Plus® certificate and should be compatible with such devices produced by other manufacturers. All non-battery operated devices within the network will act as repeaters to increase reliability of the network. The device is a Security Enabled Z-Wave Plus® product and a Security Enabled Z-Wave® Controller needs to be used to fully utilize the product.

2.3 - Technical specifications

Walli Controller is produced by Nice S.p.A. (TV).

Note
All technical specifications stated in this section refer to an ambient temperature of 20 °C (± 5 °C).
Nice S.p.A. reserves the right to apply modifications to the product at any time when deemed necessary, while maintaining the same functionalities and intended use.

Table 1 - Walli Controller - Hardware parameters

Parameter	Values / types
Battery type	ER14250 ½AA 3.6V (included)
Supply unit type	5 – 24 V DC SELV power supply, LPS or NEC class 2 (not included)
Battery life	est. 2 years (with default settings and max. 10 pushes per day)
Radio frequency band	868.0 – 868.6MHz , 869.7 – 870.0MHz
Max. transmitting power	+13dBm
Range	• up to 50 m outdoors • up to 40 m indoors Depending on the terrain and building structure
Radio protocol	Z-Wave (700 series chip)
Ambient humidity	10 – 90% RH without condensation
Operational temperature	0 - 40°C
Dimensions (Height × Width × Depth)	86 x 86 x 20 mm
Compliance with EU directives	RoHS 2011/65/EU, RoHS 2015/863, RED 2014/53/EU

Note
Radio frequency of individual device must be same as your Z-Wave hub. Check information on the box or consult your dealer if you aren't sure.

3 FIRST INSTALLATION

- You can install the device on any smooth surface using the included adhesive tape or on a mounting box using screws.
- The device selects the powering mode during adding to the Z-Wave network, prioritizing external power supply if connected. To change the mode after adding, you need to remove it, change the installation accordingly, then add the device again.
- The device features a built-in temperature sensor, for accurate temperature readings, install the device far from sources of heat such as radiators, power supplies.
- Don't use the double-sided adhesive tape when mounting the device on the electrical junction box.

3.1 - Installing on smooth surface with battery supply

1. Remove the button cover.
2. Remove the paper strip protecting the battery.
3. LED ring light means the device is powered.
4. Insert the button cover back.
5. Remove the mounting frame from the device.
6. Use the included double-sided adhesive tape to stick the mounting frame to the smooth and clean surface.
7. Push the device onto the mounting frame of the device, you should hear an audible click.

3.2 - Installing on mounting box with battery supply

1. Remove the mounting frame from the device.
2. Place the mounting frame onto the mounting box and secure it with screws. To ensure no contact with electrical wires in the box, mount the frame so that the power port is obscured by it.
3. Push the device onto the mounting frame of the device. You should hear an audible click.
4. Remove the button cover.
5. Remove the paper strip protecting the battery. LED ring light means the device is powered.
6. Insert the button cover back.

3.3 - Installing on mounting box with external power supply

Prepare the power supply

1. Switch off the mains voltage (disable the fuse).
2. Using wire connectors, connect the included power connector to the power supply, the black one to the negative wire, the red one to the positive wire.
3. Using wire connectors, connect the power supply to the mains.
4. Place the power supply inside the mounting box, leaving the power connector outside.

Assemble the device

5. Remove the mounting frame from the device.
6. Push the power connector through hole in the mounting frame.
7. Place the mounting frame onto the mounting box and secure it with screws.
8. Plug the power connector into the device.
9. Push the device onto the mounting frame of the device, you should hear an audible click.
10. Switch on the mains voltage. LED ring light means the device is powered.
11. Remove the button cover.
12. Remove the paper strip protecting the battery if you want to use it as emergency power source, remove the battery otherwise.
13. Insert the button cover back.

4 ADDING TO Z-WAVE NETWORK

Adding (Inclusion) – Z-Wave device learning mode, which enables adding the device to the existing Z-Wave network.

Note
The device selects the powering mode during adding to the Z-Wave network, prioritizing external power supply if connected. To change the mode after adding, you need to remove it, change the installation accordingly, then add the device again.

4.1 - Adding manually

1. Set the main hub in the (Security/non-Security Mode) add mode. For more information, see the hub manual.
2. Quickly, three times click one of the buttons.
3. If you are adding in Security S2 Authenticated, input the underlined part of the device security key (DSK), which is labelled on the bottom of the box.
4. LED starts blinking yellow, wait for the adding process to end.
5. Adding result is confirmed with the Z-Wave hub message and the LED frame:
   - **Green** – successful (non-secure, S0, S2 non-authenticated)
   - **Magenta** – successful (Security S2 Authenticated)
   - **Red** – not successful

4.2 - Adding using SmartStart

With the **SmartStart** function enabled products can be added into the Z-Wave network by scanning the Z-Wave QR Code present on the product with a hub providing the SmartStart inclusion. A SmartStart product is added automatically within 10 minutes of being switched on in the network range.

Note
To use the SmartStart function your hub needs to support Security S2. For more information, see the hub manual.

1. Enter the full DSK string code to your hub. If your hub is capable of QR scanning, scan the QR code placed on the label on the bottom of the box.
2. Power the device.
3. Wait for the calibration process to end. Light may blink, the device is switched off once the process is completed.
4. Wait for the adding process to start (up to a few minutes), which is signalled with yellow LED blinking.
5. Adding result is confirmed with the Z-Wave hub message and the LED frame:
   - **Green** – successful (non-secure, S0, S2 non-authenticated)
   - **Magenta** – successful (Security S2 Authenticated)
   - **Red** – not successful

Note
In case of problems with adding the device, reset the device and repeat the adding procedure.

5 REMOVING FROM Z-WAVE NETWORK

Removing (Exclusion) – Z-Wave device learning mode, which enables removing the device from the existing Z-Wave network. Removing also results in resetting the device to factory defaults.

1. Power the device.
2. Set the main hub in the remove mode. For more information, see the hub manual.
3. Quickly, three times click, then press and hold one of the buttons for 12 seconds.
4. LED starts blinking yellow, wait for the removing process to end.
5. Successful removing is confirmed with the Z-Wave hub message and red LED color.

6 OPERATING DEVICE

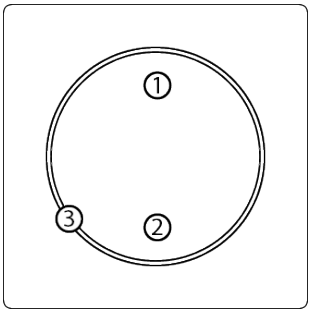


Figure 1: Controls

Notes for Figure 1
1 – the first/▲ button
2 – the second/▼ button
3 – LED ring

6.1 - Operating modes

6.1.1 - Scene Controller

This mode is enabled by default or by setting parameter 20 to 0.

In this mode, the device can activate scenes in the Z-Wave hub by sending scene ID and attribute of a specific action (using Central Scene Command Class). Associations don't work in this mode.

Table 2 - Walli Controller - Scene Controller

Button	Action	Scene ID	Attribute
the 1st button	Clicked once	1	Key Pressed 1 time
	Clicked twice	1	Key Pressed 2 times
	Clicked thrice	1	Key Pressed 3 times
	Held	1	Key Held Down
	Released	1	Key Released
the 2nd button	Clicked once	2	Key Pressed 1 time
	Clicked twice	2	Key Pressed 2 times
	Clicked thrice	2	Key Pressed 3 times
	Held	2	Key Held Down
	Released	2	Key Released

6.1.2 - Double button

This mode is enabled by default or by setting parameter 20 to 1.

In this mode the device works as two separate buttons and it uses associations to control other Z-Wave devices (groups 2 - 5). You can control multiple devices of different type in this mode. Every button can control different group of devices.

Table 3 - Walli Controller - Double button actions

Button	Action	Description
The 1st button – controls the 2nd and 3rd group	Click	Alternately ON with last level/OFF
	Click twice	Sends pre-set level (set with parameter 152)
	Hold	Alternately increases/decreases level until released
The 2nd button – controls the 2nd and 3rd group	Click	Alternately ON with last level / OFF
	Click twice	Sends pre-set level (set with parameter 153)
	Hold	Alternately increases/decreases level until released

6.1.3 - Single button

This mode is enabled by setting parameter 20 to 2.

In this mode the device works as one logical button and it uses associations to control other Z-Wave devices (groups 2-3). You can control multiple devices of different type in this mode. The 1st and 2nd button work in the same way described in the table below.

Table 4 - Walli Controller - Single button actions

Action	Description
Click	Alternately ON with last level / OFF
Click twice	Sends pre-set level (set with parameter 152)
Hold	Alternately increases/decreases level until released

6.1.4 - Switch controller

This mode is enabled by setting parameter 20 to 3.

In this mode the device uses associations to control Z-Wave binary switches (group 6).

- Click the 1st - ON
- Click the 2nd - OFF

6.1.5 - Dimmer/roller shutter controller

This mode is enabled by setting parameter 20 to 4.

In this mode the device uses associations to control Z-Wave dimmers and rollers shutters (group 6).

Table 5 - Walli Controller - Actions of dimmer/roller shutter controller		
Button	**Action**	**Description**
The 1st button – turns ON and increases level	Click	ON with last level
	Click twice	Sends pre-set level (set with parameter 152)
	Hold	Increases level until released
The 2nd button – turns OFF and decreases level	Click	OFF
	Hold	Decreases level until released

6.1.6 - Roller shutter step-by-step controller

This mode is enabled by setting parameter 20 to 5.

In this mode the device uses associations to control Z-Wave roller shutter controllers (group 6) in Step-By-Step mode alternately sending commands for movement and stopping.

Table 6 - Walli Controller - Actions of roller shutter step-by-step controller		
Button	**Action**	**Description**
The 1st button – opens and stops	Click	Opens/stops
	Click twice	Sends pre-set level (set with parameter 152)
The 2nd button – closes and stops	Click	Closes/stops
	Click twice	Stops

6.1.7 - Venetian blinds step-by-step controller

This mode is enabled by setting parameter 20 to 6.

In this mode the device uses associations to control Z-Wave Venetian blinds (with slats) controllers (groups 6–7) in step-by-step mode alternately sending commands for movement and stopping.

Table 7 - Walli Controller - Actions of Venetian blinds step-by-step controller		
Button	**Action**	**Description**
The 1st button – opens and stops	Click	Opens/stops
	Click twice	Sends pre-set level (set with parameter 152)
	Hold	Opens slats until released
The 2nd button – closes and stops	Click	Closes/stops
	Click twice	Closes
	Hold	Closes slats until released

6.2 - Powering modes

6.2.1 - External supply mode

In the external supply mode, the device indicates commands status and can receive indications from the Z-Wave hub (using Indicator CC), including identification. The device configuration is updated immediately.

To enable the external supply mode, make sure that the external supply is connected and powered, then add the device to the Z-Wave network (remove beforehand if already added).

6.2.2 - Battery mode

In the battery mode, the device indicates commands status, but can't receive indications from the Z-Wave hub (using Indicator CC), except for Identification.

The device needs to be woken up to change its configuration.

The battery level (in percent) is measured during every power up and periodically every 24h, the measured value is reported to the hub during every power up and when it changes by at least 5 %. To enable the battery mode, make sure that device is powered only using the battery, then add the device to the Z-Wave network (remove beforehand if already added).

6.3 -Temperature sensor

The device is equipped with a built-in temperature sensor. It measures the ambient temperature and reports it to the hub only when it changes by at least 0.1°C, but not more often than every 10 minutes. It is recommended to use battery or 12 VDC power supply for reliable temperature measurement.

6.4 -Waking up

When on battery power, the device needs to be woken up to receive information about the new configuration from the Z-Wave hub, like parameters and associations. By default the device is woken up automatically every 6 hours. You can also wake up the device manually using first menu position (white).

6.5 -Visual indications

The built-in LED light shows current device status.

Table 8 - Walli Controller - Responses to button actions

Action	Color	Meaning
After powering the device	Green	Device added to a Z-Wave network (non-secure, S0, S2 non-authenticated)
	Magenta	Device added to a Z-Wave network (Security S2 Authenticated)
	Red	Device not added to a Z-Wave network
Update	Blinking cyan	Update in progress
	Green	Update successful
	Red	Update not successful
Command status - The device displays last command status in response to clicking/holding a button.	Green for 2 seconds	Command acknowledged
	Red for 2 seconds	Command not acknowledged
Menu	White	Wake up the device
	Green	Start learning mode (add/remove)
	Magenta	Test Z-Wave range
	Cyan	Show battery level
	Yellow	Reset to factory defaults

Identification - The Z-Wave hub can identify this device by signalling with LED ring using Indicator CC.

Custom indications - In external supply mode, the user can use the LED ring to display custom indications. Using the Z-Wave hub user can specify on which half of the ring to indicate, number of blinks and timing (using Indicator CC). Brightness and colour of the indications are specified with parameters 13, 150 and 151.

6.6 - Menu

Menu enables performing the Z-Wave network actions.

To use the menu:

1. Quickly, three times click, then press and hold one of the buttons.
2. After 3 seconds LED ring signals adding status:
   - **Blinking green** – entering the menu (added as non-secure, S0, S2 non-authenticated)
   - **Blinking magenta** – entering the menu (added as Security S2 Authenticated)
   - **Blinking red** – entering the menu (not added to a Z-Wave network)
3. The LED ring turns off for 3 seconds, then start signalling menu positions.
4. Release the button when device signals desired position with colour:
   - **White** – wake up the device
   - **Green** – start learning mode (add/remove)
   - **Magenta** – test Z-Wave range
   - **Cyan** – show battery level
     - » Green – 50–100%
     - » Yellow – 16–49%
     - » Red – 1–15%
   - **Yellow** – reset to factory defaults
5. Quickly click the button to confirm.

7 RESETTING TO FACTORY DEFAULTS

Reset procedure restoring the device back to its factory settings, which means all information about the Z-Wave hub and user configuration are deleted. Resetting to factory defaults doesn't reset energy consumption memory.

Note

Resetting the device isn't the recommended way of removing the device from the Z-Wave network. Use reset procedure only if the primary hub is missing or inoperable. Certain device removal can be achieved by the procedure of removing described. To remove the device properly, follow the removing procedure described in the REMOVING FROM Z-WAVE NETWORK chapter.

1. Quickly, three times click, then press and hold one of the buttons to enter the menu.
2. Release the button when the device glows yellow.
3. Quickly click the button to confirm.
4. After a few seconds the device is restarted, which is signalled with red LED colour.

8 ASSOCIATIONS

Association (linking devices) – direct control of other devices within the Z-Wave system network.

Associations enable:
- reporting the device status to the Z-Wave hub with Lifeline group.
- creating simple automations by controlling other devices without participation of the main hub using groups assigned to actions on the device.

The device provides the association of 7 groupslisted in the table below.

Table 9 - Walli Controller - Associations

Association group	Name	Description
1st	Lifeline	Reports the device status and enables assigning a single device, the hub by default. Only one node can be assigned.
2nd	On/Off (1)	Used for turning the associated devices on/off
3rd	Dimmer (1)	Used for changing level of associated devices
4th	On/Off (2)	Used for turning the associated devices on/off
5th	Dimmer (2)	Used for changing level of associated devices
6th	Multidevice	Used for controlling different type of devices
7th	Slats	Used for moving slats of Venetian blinds

Walli Controller enables controlling five regular or multichannel devices per one association group with the exception of the **Lifeline** group, which is reserved solely for the hub and only one node can be assigned.

Table 10 - Walli Controller - Commands sent to association groups

Button	1 click	2 clicks	Hold	Release
Double button mode -parameter 20 set to 1				
Button 1	Basic Set: the 2nd group	Basic Set: the 2nd group	Multilevel Start Change: the 3rd group	Multilevel Stop Level Change: the 3rd group
Button 2	Basic Set: the 4th group	Basic Set: 4th group	Multilevel Start Change: the 5th group	Multilevel Stop Level Change: the 5th group
Single button mode - parameter 20 set to 2				
Button 1 and 2	Basic Set: the 2nd group	Basic Set: the 2nd group	Multilevel Start Change: the 3rd group	Multilevel Stop Level Change: the 3rd group
Switch controller mode - parameter 20 set to 3				
Button 1 (on)	Basic Set: the 6th group	-	-	-
Button 2 (off)	Basic Set: the 6th group	-	-	-
Dimmer/roller shutter controller mode - parameter 20 set to 4				
Button 1 (on)	Basic Set: the 6th group	Multilevel Set: 6th group	Multilevel Start Change Up: the 6th group	Multilevel Stop Change: the 6th group
Button 2 (off)	Basic Set: the 6th group	-	Multilevel Start Change Down: the 6th group	Multilevel Stop Change: the 6th group
Roller shutter step-by-step controller mode - parameter 20 set to 5				
Button 1 (up)	Multilevel Start/Stop Change: the 6th group	Multilevel Set: 6th group	-	-
Button 2 (down)	Multilevel Start/Stop Change: the 6th group	-	-	-
Venetian blinds step-by-step controller mode - parameter 20 set to 6				
Button 1	Multilevel Start Up/Stop Change Up: the 6th group	Multilevel Set: 6th group	Multilevel Start Up Change: the 7th group	Multilevel Stop Change: the 7th group
Button 2	Multilevel Start Down/Stop Change: the 6th group	Multilevel Stop Change: 6th group	Multilevel Start Down Change: the 7th group	Multilevel Stop Change: the 7th group

9 ADVANCED PARAMETERS

The device operation can be customized according to the user needs. The settings can be adjusted using Z-Wave hub to which the device is added. The way of adjusting them might differ depending on the hub.

In the Yubii Home interface parameters are presented as simple options in Advanced Settings of the device.

Table 11 - Walli Controller - Advanced parameters

Parameter	Description	Available setting	Default setting	Parameter size
13. LED frame – brightness	Enables adjusting the LED frame brightness	**0** – LED disabled **1 - 100** (1 - 100% brightness)	**100** (100%)	**1** [byte]
20. Operation mode	Defines operation of the device. Choose the mode depending on the type of the device you want to control remotely	**0** – scene controller mode **1** – double button mode **2** – single button mode **3** – switch controller mode **4** – dimmer / roller shutter controller mode **5** – roller shutter controller mode (step-by-step) **6** – venetian blinds controller mode (step-by-step)	**0** (scene controller)	**1** [byte]
150. LED ring – first button	Defines the colour of the first button indicator (upper part of the LED ring) for indications using Indicator CC.	**0** – LED disabled **1** – white **2** – red **3** – green **4** – blue **5** – yellow **6**- cyan **7** - magenta **8** - blinking red-white-blue	**1** (white)	**2** [bytes]
151. LED ring – second button	Defines the colour of the second button indicator (lower part of the LED ring) for indications using Indicator CC.			
152. 1st button - double click value	Defines the value of Basic Set or Multilevel Set frame (depending on selected mode) sent to associated devices after double click. This parameter isn't relevant for Scene controller mode.	**0–99**, **255**	**99**	**2** [bytes]
153. 2nd button - double click value	Defines the value of Basic Set or Multilevel Set frame (depending on selected mode) sent to associated devices after double click. This parameter is used only in Double button mode.			

10 Z-WAVE SPECIFICATION

Generic Device Class: GENERIC_TYPE_WALL_CONTROLLER
Specific Device Class: not used

Table 12 - Walli Controller - Supported command classes

No.	Command class	Version	Secure
1.	COMMAND_CLASS_ZWAVEPLUS_INFO [0x5E]	V2	
2.	COMMAND_CLASS_ASSOCIATION [0x85]	V2	YES
3.	COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION [0x8E]	V3	YES
4.	COMMAND_CLASS_ASSOCIATION_GRP_INFO [0x59]	V3	YES
5.	COMMAND_CLASS_INDICATOR [0x87]	V3	YES
6.	COMMAND_CLASS_TRANSPORT_SERVICE [0x55]	V2	
7.	COMMAND_CLASS_VERSION [0x86]	V3	YES
8.	COMMAND_CLASS_MANUFACTURER_SPECIFIC [0x72]	V2	YES
9.	COMMAND_CLASS_DEVICE_RESET_LOCALLY [0x5A]	V1	YES
10.	COMMAND_CLASS_POWERLEVEL [0x73]	V1	YES
11.	COMMAND_CLASS_SECURITY [0x98]	V1	
12.	COMMAND_CLASS_SECURITY_2 [0x9F]	V1	
13.	COMMAND_CLASS_SUPERVISION [0x6C]	V1	
14.	COMMAND_CLASS_CONFIGURATION [0x70]	V4	YES
15.	COMMAND_CLASS_FIRMWARE_UPDATE_MD [0x7A]	V5	YES
16.	COMMAND_CLASS_CENTRAL_SCENE [0x5B]	V3	YES
17.	COMMAND_CLASS_SENSOR_MULTILEVEL [0x31]	V11	YES
18.	COMMAND_CLASS_APPLICATION_STATUS [0x22]	V1	
19.	COMMAND_CLASS_PROTECTION [0x75]	V1	YES
Only in battery mode			
20.	COMMAND_CLASS_WAKE_UP [0x84]	V2	YES
21.	COMMAND_CLASS_BATTERY [0x80]	V1	YES

Table 13 - Walli Controller - Wake up CC (only in battery mode)

Parameter	Value
Min. Interval Seconds	0 – off, 3600 [s] = 1 [h]
Max. Interval Seconds	43200 [s] = 12[h]
Default Interval Seconds	21600 [s] = 6 [h]
Interval Step Seconds	3600
Default NodeID	255
Additional Sending Frame	Menu – white position

Indicator CC - available indicators

- Button 1 Indicator – 0x43 – only in always on (external supply) mode
- Button 2 Indicator – 0x44 - only in always on (external supply) mode
- Indicator ID – 0x50 (Identify)

Table 14 - Walli Controller - Available commands of Indicator CC

Command	Indicator ID	Property ID	Value	Other
SET	All	0x03	0x00 – 0xFF	
SET	All	0x04	0x00 – 0xFF	
SET	All	0x05	0x00 – 0xFF	
GET	All	–	–	Device send Indicator Report
SUPPORTED GET	All	–	–	Device send Supported Report

Table 15 - Walli Controller - Properties of Indicator CC

Property ID	Description	Values and requirements
0x03	On/Off Periods	• Starts toggling between ON and OFF • Used to set the duration of an On/Off period. • Available values: 0x00 .. 0xFF (0 .. 25.5 seconds) • If this is specified, the On/Off Cycles MUST also be specified.
0x04	On/Off Cycles	• Used to set the number of On/Off periods. • Available values: 0x00 .. 0xFE (0 .. 254 times) 0xFF (indicate until stopped) • If this is specified, the On/Off Period MUST also be specified.
0x05	On time within an On/Off period	• Used to set the length of the On time during an On/Off period. It allows asymetic On/Off periods. • Available values 0x00 (symmetric On/Off period – On time equal to Off time) 0x01 .. 0xFF (0.1 .. 25.5 seconds) • Example: 300ms ON and 500ms OFF is achieved by setting On/Off period (0x03) = 0x08 and On time within an On/Off Period (0x05) = 0x03 • This value is ignored if On/Off periods is not defined. • This value is ignored if On/Off periods value is less than this value.

Protection Command Class enables preventing local control using buttons.

Table 16 - Walli Controller - Protection CC

Type	State	Description	Hint
Local	0	Unprotected - The device isn't protected, and may be operated normally with the user interface.	Inputs control radio
Local	2	Buttons cannot send control frames such as Basic, Switch Multilevel, other functionality is available (menu)	Inputs don't control radio

Note
Setting state value 1 is rejected by the device.

Table 17 - Walli Controller - Sensor Multilevel CC

Sensor type	Scale	Size	Precision	Description
Temperature	Celsius (C)	2B	1	Air temperature

11 PRODUCT DISPOSAL

This product is an integral part of the automation and therefore must be disposed together with the latter. At the end of the product lifetime, the disassembly and scrapping operations must be performed by qualified personnel.
This product is made of various types of material, some of which can be recycled while others must be scrapped. Seek information on the recycling and disposal systems envisaged by the local regulations in your area for this product category.



As indicated by the symbol alongside, disposal of this product in domestic waste is strictly prohibited. Separate the waste into categories for disposal, according to the methods envisaged by current legislation in your area, or return the product to the retailer when purchasing a new version.

⚠ CAUTION!

- Some parts of the product may contain pollutant or hazardous substances which, if disposed of into the environment, may cause serious damage to the environment or physical health.
- Local legislation may envisage serious fines in the event of abusive disposal of this product.

12 DECLARATION OF CONFORMITY

Hereby, Nice S.p.A., declares that the radio equipment type Walli Controller is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at: http://www.niceforyou.com/en/support.

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Nice

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