

# GRENTON ROLLER SHUTTER Z-Wave

RSH-040-Z-02

WIRELESS ROLLER SHUTTER CONTROL  
MODULE FOR FLUSH-MOUNT ASSEMBLY



**Allows you to control any roller shutter drive.**

- equipped with two control contacts (up/down, left/right)
- two 230 V outputs
- inputs are fully configurable
- small size - fits into a P60 box under the ancillary equipment
- operates with 230 V supply
- communicates with other wireless modules using a mesh network

# CONFIGURATION PARAMETERS

## CHARACTERISTICS

Name	Description
M1	State of M1 relay
M2	State of M2 relay
State	Output state: 0 – stopped, 1 – moving up, 2 – moving down
MaxTime	Default value for the Time parameter, if “0” was entered

## METHODS

Name	Description
Up	Roller Shutter Up or Stop if moving. Parameter Time: - 0 - output is active for the time specified in MaxTime - number - output is active for specified time
Down	Roller Shutter Down or Stop if moving. Parameter Time: - 0 - output is active for the time specified in MaxTime - number - output is active for specified time
Start	Roller Shutter Up if the preceding motion was Down or Roller Shutter Down if the preceding motion was Up. Parameter Time: - 0 - output is active for the time specified in MaxTime - number - output is active for specified time
Stop	Stop if moving
Hold	Hold with direction change
HoldUp	Hold always up
HoldDown	Hold always down

## EVENTS

Name	Description
OnChange	Occurs when changing the state of any of the outputs
OnUp	Occurs when changing the Stop state to the Up state
OnDown	Occurs when changing the Stop state to the Down state
OnStart	Occurs when Start is requested
OnStop	Occurs when Stop is requested

# INPUT PROPERTIES

## CHARACTERISTICS

Name	Description
Value	Returns input state as 0 or 1
Inertion	Minimum interval in milliseconds which has to pass between presses of a button so that it is interpreted as a new pressing activity
HoldDelay	Time in milliseconds after which, when pressing and holding a button, the OnHold event occurs
HoldInterval	Cyclical interval in milliseconds after which, when pressing and holding a button, the OnHold event occurs

## METHODS

Name	Description
SetInertion	Sets Inertion value
SetHoldDelay	Sets HoldDelay value
SetHoldInterval	Sets HoldInterval value

## EVENTS

Name	Description
OnChange	Occurs when a change in the input state takes place (regardless of the value)
OnSwitchOn	Occurs when the high state is set at the input
OnSwitchOff	Occurs when the low state is set at the input
OnShortPress	Occurs after pressing the button for 500 - 2000 ms
OnLongPress	Occurs after pressing the button for two seconds
OnHold	Occurs for the first time after HoldDelay time passes and then cyclically every HoldInterval Value
OnClick	Occurs after pressing the button for less than 500 ms

## TECHNICAL SPECIFICATIONS

AC supply	230 V
average current input	2 mA
max. current input	3 mA
Z-Wave frequency	868 MHz
contact arrangement	2x NO
weight	35 g
dimensions (H/W/D)	19/45/36 mm
max. connection wire section	≤ 1.5 mm <sup>2</sup>
operating temperature range	0 to +40°C
maximum load	1,800 VA

## WIRING DIAGRAM

