Kwikset 10 Button Z-Wave Plus v2 Deadbolt 892 Manual

Contents

Kwikset

10 Button Z-Wave Plus v2 Deadbolt

SKU: 892

ZWave+

Security V2

Quickstart

This is a
secure
Lock
for
.

Please make sure the internal battery is fully charged.

Important safety information

Please read this manual carefully. Failure to follow the recommendations in this manual may be dangerous or may violate the law.
The manufacturer, importer, distributor and seller shall not be liable for any loss or damage resulting from failure to comply with the instructions in this manual or any other material.
Use this equipment only for its intended purpose. Follow the disposal instructions.

Do not dispose of electronic equipment or batteries in a fire or near open heat sources.

What is Z-Wave?

Z-Wave is the international wireless protocol for communication in the Smart Home. This device is suited for use in the region mentioned in the Quickstart section.

Z-Wave ensures a reliable communication by reconfirming every message (**two-way communication**) and every mains powered node can act as a repeater for other nodes (**meshed network**) in case the receiver is not in direct wireless range of the transmitter.

This device and every other certified Z-Wave device can be **used together with any other certified Z-Wave device regardless of brand and origin** as long as both are suited for the same frequency range.

If a device supports **secure communication** it will communicate with other devices secure as long as this device provides the same or a higher level of security. Otherwise it will automatically turn into a lower level of security to maintain backward compatibility.

For more information about Z-Wave technology, devices, white papers etc. please refer to www.z-wave.info.

Product Description

A Z-Wave Plus enabled deadbolt from Kwikset, offering the latest S2 security and SmartStart functionality. Has a 10-Digit keypad with one-touch locking, tapered deadbolt designed to assist with misaligned doors, and features the SmartKey Re-Key technology with BumpGuard protection.

Prepare for Installation / Reset

Please read the user manual before installing the product.

In order to include (add) a Z-Wave device to a network it **must be in factory default state.** Please make sure to reset the device into factory default. You can do this by performing an Exclusion operation as described below in the manual. Every Z-Wave controller is able to perform this operation however it is recommended to use the primary controller of the previous network to make sure the very device is excluded properly from this network.

Inclusion/Exclusion

On factory default the device does not belong to any Z-Wave network. The device needs

to be **added to an existing wireless network** to communicate with the devices of this network. This process is called **Inclusion**.

Devices can also be removed from a network. This process is called **Exclusion**. Both processes are initiated by the primary controller of the Z-Wave network. This controller is turned into exclusion respective inclusion mode. Inclusion and Exclusion is then performed doing a special manual action right on the device.

Quick trouble shooting

Here are a few hints for network installation if things dont work as expected.

1. Make sure a device is in factory reset state before including. In doubt exclude before include.
2. If inclusion still fails, check if both devices use the same frequency.
3. Remove all dead devices from associations. Otherwise you will see severe delays.
4. Never use sleeping battery devices without a central controller.
5. Dont poll FLIRS devices.
6. Make sure to have enough mains powered device to benefit from the meshing

Association – one device controls an other device

Z-Wave devices control other Z-Wave devices. The relationship between one device controlling another device is called association. In order to control a different device, the controlling device needs to maintain a list of devices that will receive controlling commands. These lists are called association groups and they are always related to certain events (e.g. button pressed, sensor triggers, …). In case the event happens all devices stored in the respective association group will receive the same wireless command wireless command, typically a ‘Basic Set’ Command.

Association Groups:

Group Number	Maximum Nodes	Description
1	5	The lock will support the Lifeline association group.It supports sending messages to a maximum of 5 nodes.These messages provide information on changes that occur locally.

Configuration Parameters

Z-Wave products are supposed to work out of the box after inclusion, however certain configuration can adapt the function better to user needs or unlock further enhanced features.

IMPORTANT: Controllers may only allow configuring signed values. In order to set values in the range 128 … 255 the value sent in the application shall be the desired value minus 256. For example: To set a parameter to 200â€ˆit may be needed to set a value of 200 minus 256 = minus 56. In case of a two byte value the same logic applies: Values greater than 32768 may needed to be given as negative values too.

Parameter 1: Status LED Control

The configuration parameter 1 is a read/write parameter with a one-byte field, used to control the status LED. If setto on, the status LED will show the status of the latch every 6 seconds. If set to off, the status LED will not beshown.
Size: 1 Byte, Default Value: 1

Setting	Description
0	Turns Status LED off
1	Turns Status LED on

Parameter 10: Handing Control

The configuration parameter 10 is a read/write parameter with a one-byte field. When this parameter is read, it willreturn the handing of the lock. When this parameter is written, it will run a handing operation. When written with avalue of 0x01, it will cause the lock to cycle through locking and unlocking until it determines the correct handing.It is suggested that this operation occur while the door is opened so that no obstructions will be in the way for theoperation. After the completion of the handing process, a Configuration Report message will be sent back to therequestor. It will contain a non-zero value for success or a zero value for failure.
Size: 1 Byte, Default Value: 0

Setting	Description
0	Unknown latch position (get)
1	Initiate the handing process (set)
1	Right handed lock (get)
2	Left handed lock (get)

Parameter 2: Sound Control

The configuration parameter 2 is a read/write parameter with a one-byte field, used to control the locks buzzer. Ifset to on, the buzzer is enabled and will sound during normal events. If set to off, the buzzer is disabled, and thebuzzer sound will not occur.
Size: 1 Byte, Default Value: 1

Setting	Description
0	Turns the sound (buzzer) off
1	Turns the sound (buzzer) on

Parameter 3: User Program Button Control

The configuration parameter 3 is a read/write parameter with a one-byte field, used to control the user programbutton. If set to on, the program button is available for user code maintenance. If set to off, the program button isnot available for user code maintenance.
Size: 1 Byte, Default Value: 1

Setting	Description
0	Disables the program button
1	Enables the program button

Parameter 4: Secure Screen Control

The configuration parameter 4 is a read/write parameter with a one-byte field, used to control the secure screenfunctionality on touch locks only. This parameter is not used on non-touch locks and will be ignored. If set toenabled, the touch screen will display the secure screen functionality when woken. If set to disabled, the touchscreen will not display the secure screen functionality when woken.

Size: 1 Byte, Default Value: 1

Setting	Description
0	Disables secure screen (Touch products only)
1	Enables secure screen (Touch products only)

Parameter 40: Factory Default Control

The configuration parameter 40 is a write only parameter with a one-byte field, used to request the lock to perform afactory reset back to its default state. This control will cause the lock to be removed from the network, placing thelock back to its default state. When a read is issued for this parameter, a 0 will be returned.
Size: 1 Byte, Default Value: 0

Setting	Description
0	No action (get)
1	Perform a full factory reset (set)
2	Perform a modified factory reset (set) – for production only

Parameter 46: Motor Load Value

The configuration parameter 46 is a read only parameter with a four-byte field.It is used to retrieve the calculated sideload value from the last motor run that was performed.This value is used to represent the amount of powerneeded to run the motor, giving the opportunity to see if any resistance was encountered based on the value readfrom a free running motor with no resistance.
Size: 4 Byte, Default Value: 0

Setting	Description
0 – 16777215	Provides an insight into the amount of resistance encountered by motor

Technical Data

Hardware Platform	ZGM130
Device Type	Lock
Network Operation	Listening Sleeping Slave
Firmware Version	HW: 1 FW: 10.20:69.35
Z-Wave Version	7.20.2
Certification ID	ZC12-24030354
Z-Wave Product Id	0x0090.0x0811.0x13A8
Door Lock Type	Deadbolt
Firmware Updatable	Updatable by Consumer by RF
Security V2	S2_ACCESS_CONTROL
Frequency	XXfrequency
Maximum transmission power	XXantenna

Supported Command Classes

- Antitheft V2
- Association Grp Info V3
- Association V2
- Basic V2
- Battery
- Configuration V4
- Device Reset Locally
- Door Lock Logging
- Door Lock V4
- Firmware Update Md V5
- Indicator V3
- Manufacturer Specific V2
- Multi Channel Association V3
- Notification V8
- Powerlevel
- Schedule Entry Lock V3
- Security
- Security 2
- Supervision
- Time Parameters
- Transport Service V2
- User Code V2
- Version V3
- Zwaveplus Info V2

Explanation of Z-Wave specific terms

- **Controller** — is a Z-Wave device with capabilities to manage the network. Controllers are typically Gateways,Remote Controls or battery operated wall controllers.
- **Slave** — is a Z-Wave device without capabilities to manage the network. Slaves can be sensors, actuators and even remote controls.
- **Primary Controller** — is the central organizer of the network. It must be a controller. There can be only one primary controller in a Z-Wave network.
- **Inclusion** — is the process of adding new Z-Wave devices into a network.
- **Exclusion** — is the process of removing Z-Wave devices from the network.
- **Association** — is a control relationship between a controlling device and a controlled device.
- **Wakeup Notification** — is a special wireless message issued by a Z-Wave device to announces that is able to communicate.
- **Node Information Frame** — is a special wireless message issued by a Z-Wave device to announce its capabilities and functions.

References

- **User Manual**