

Action

The device will send a notification report, with type 9 (system) and event 5 (heartbeat), every 7 minutes to the devices in the lifeline association group. (default)

Inclusion / Exclusion

To add (inclusion) or remove (exclusion) the device press and hold the button for 3-8 seconds. When pressing the button, the led will flash short and after 3 seconds when the led has a steady light release the button.

The device will notify the user with 4 seconds of led flashing with 1 Hz frequency, that it has recognized the command and has started the add(inclusion)/remove(exclusion) process. A succeeded inclusion is notified with 3 seconds of steady led light, unsuccessful inclusion is notified with fast flashing. An already added (included) device can only be removed (excluded) and an already removed (excluded) device can only be added (included). If the added/removed state of the device is not clear, it is recommended to reset the device to factory defaults such that it is removed from any Z-Wave network and can be added again. During inclusion the device will send a Node Information Frame and when not included after 3 seconds it will send three times a Network Wide Inclusion Frames at 10 second intervals.

Factory Reset to defaults

Press the button for more than 10 seconds to reset the device to factory default settings. The led will be released after the device reset to factory defaults has been performed. Please use this procedure only when the network primary controller is missing or otherwise inoperable.

Command Classes

Z-Wave Plus Info Report

Parameter	Value
Z-Wave Plus Version	2 (ZWAVEPLUS_INFO_VERSION_V2)
Role Type	5 (ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_ALWAYS_ON)
Node Type	0 (ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_NODE)
Installer Icon Type	0x1b00 (ICON_TYPE_GENERIC_REPEATER)
User Icon Type	0x1b00 (ICON_TYPE_GENERIC_REPEATER)

Manufacturer Specific Report

Parameter	Value
Manufacturer ID	380 (EbV)
Product Type ID	1
Product ID	10

Association Command Class

Association Group	Nodes	Send Mode	Send Commands
1: Lifeline	1-5	Single Cast	Notification Type System Event heartbeat Device Reset Locally

The repeaterS2 supports only one Association group (Lifeline) which informs the added nodes with a heartbeat notification and a device reset locally event. The heartbeat notification is send unsolicited every 7 minutes.

Association Group Name Report

Profile

General (Lifeline)

Basic

This Command Class is not supported.

Notification

The device will send every 7 minutes a unsolicited notification report to the devices added to the association group 1 (lifeline). The notification report is of type 9 (system) and contains event 5 (heartbeat). Unsolicited notifications can be enabled or disabled with Command Class Notification SET. This state is not saved permanent and after a power cycle it is enabled again.

Z-Wave Secure Enabled Product

This device is a security enabled Z-Wave product that is able to use encrypted Z-Wave messages to communicate to other security enabled Z-Wave products. This device must be used in conjunction with a Security Enabled Z-Wave Controller in order to fully utilize all implemented functions. The security versions S0, S2-Unauthenticated and S2-Authenticated are supported.

Smartstart

SmartStart enabled products can be added into a Z-Wave network by scanning the Z-Wave QR Code present on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity. The SmartStart QR-Code label is attached to the PCB inside the repeaterS2 and can be seen before the device is mounted to the wall. The pin-code of the devices is printed below the Z-Wave QR Code. The complete QR-Code label and DSK is printed on the packaging.

