Axis Communications Alert Button T8343-JP Manual

Contents

Axis Communications

Alert Button

SKU: T8343-JP

Quickstart

This is a
secure
Alarm Sensor
for
Japan.

Please make sure the internal battery is fully charged.

To add this device to your network execute the following action:
Auto inclusionThe detector supports the auto inclusion feature where it will automatically enter Inclusion mode when first powered up. This willalso apply when powered up after a factory reset.1. Carefully remove the front cover by pulling the bottom of the front cover. There is a link button which is used to put thedevice in learning mode (inclusion/exclusion).2. Put a Z-Wave controller into inclusion mode.3. Insert 2 AAA-batteries (1,5V) into the battery compartment with the correct polarity. The LED on the device should turn ON4. The inclusion process should be completed when the LED stops blinkingManual inclusionYou can also choose to manually add the Z-Wave device to a control device. Please follow the steps described below.NoteFor best results, exclude the device

before starting the inclusion process. For more details see the installation guide1. Press the link button 3 times within 1.5 seconds to put the unit into learning (inclusion/exclusion) mode.2. The inclusion process should be completed when the LED stops blinking3. Perform a test before you refit the cover.

Please refer to the
Manufacturers Manual for more information.

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

AXIS T8343 Alert Button is a wireless push button which relays events such as notification messages, illumination and much more. With its support for wireless input/output connectivity, the alert button can communicate wirelessly with AXIS M5065 PTZ Network camera or other connected Z-Wave Plus controllers, creating a small security solution with less cabling. Thanks to its integrated wireless I/O connectivity, AXIS T8343 enables flexible installation as the relay can easily be moved and adapted to your needs.

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.

Reset to factory default

This device also allows to be reset without any involvement of a Z-Wave controller. This procedure should only be used when the primary controller is inoperable.

Factory Reset (This procedure should only be used when the controller is inoperable.)1. Press the link button 3 times within 1.5 seconds to put the unit into exclusion mode.2. Within 1 second of step 1, press the link button again and hold for 5 seconds.3. Node ID is excluded. The device reverts to factory default state.

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.

Inclusion

Auto inclusionThe detector supports the auto inclusion feature where it will automatically enter Inclusion mode when first powered up. This willalso apply when powered up after a factory reset.1. Carefully remove the front cover by pulling the bottom of the front cover. There is a link button which is used to put thedevice in learning mode (inclusion/exclusion).2. Put a Z-Wave controller into inclusion mode.3. Insert 2 AAA-batteries (1,5V) into the battery compartment with the correct polarity. The LED on the device should turn ON4. The inclusion process should be completed when the LED stops blinkingManual inclusionYou can also choose to manually add the Z-Wave device to a control device. Please follow the steps described below.NoteFor best results, exclude the device before starting the inclusion process. For more details see the installation guide1. Press the link button 3 times within 1.5 seconds to put the unit into learning (inclusion/exclusion) mode.2. The inclusion process should be completed when the LED stops blinking3. Perform a test before you refit the cover.

Exclusion

Manual exclusionNoteFor more details see the installation guide1. Detach the battery cover.2. Press the link button 3 times within 1.5 seconds to put the unit into learning (inclusion/exclusion) mode.3. The exclusion process should be completed when the LED stops blinking4. Refit the battery cover.

Communication to a Sleeping device (Wakeup)

This device is battery operated and turned into deep sleep state most of the time to save battery life time. Communication with the device is limited. In order to communicate with the device, a static controller **C** is needed in the network. This controller will maintain a mailbox for the battery operated devices and store commands that can not be received during deep sleep state. Without such a controller, communication may become impossible and/or the battery life time is significantly decreased.

This device will wakeup regularly and announce the wakeup state by sending out a so called Wakeup Notification. The controller can then empty the mailbox. Therefore, the device needs to be configured with the desired wakeup interval and the node ID of the controller. If the device was included by

a static controller this controller will usually perform all necessary configurations. The wakeup interval is a tradeoff between maximal battery life time and the desired responses of the device. To wakeup the device please perform the following action:

Wakeup Command ClassAfter it has been included into a Z-Wave network, the detector will go to sleep but will send a Wakeup Notification Command periodically at preset period to the controller. The detector will stay awake for 10 seconds at least and then go back to sleep to conserve battery life.The time interval between Wakeup Notification Commands can be set in the Wakeup Command Class based on the range values below:Minimum Wake Up Interval 600s (10 minutes)Maximum Wake Up Interval 86400s (1 day)Default Wake Up Interval 14400s (4 hours)Wake Up Interval Step Seconds 600s (10 minutes)

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 NumberMaximum NodesDescription

1	1	Association with 1 node.
2	4	Association with 4 nodes (i.e. end devices such as smart plugs and other lighting controllers).This allows the On/Off module to receive commands directly from these end devices without the participation of the c ontroller.

Technical Data

Hardware Platform	SD3502
Device Type	Notification Sensor
Network Operation	Reporting Sleeping Slave
Firmware Version	HW: 1 FW: 1.01:00.01
Z-Wave Version	6.71.01
Certification ID	ZC10-18015971
Z-Wave Product Id	0x0364.0x0005.0x0001
Supported Notification Types	Appliance
Firmware Updatable	Updatable by Consumer via Internet
Color	White
Switch Type	Push Button
Security V2	S2_UNAUTHENTICATED ,S2_AUTHENTICATED
Frequency	XXfrequency
Maximum transmission power	XXantenna

Supported Command Classes

- Association Grp Info
- Association V2
- Battery
- Device Reset Locally
- Firmware Update Md V4
- Manufacturer Specific V2
- Notification V4
- Powerlevel
- Security
- Security 2
- Supervision
- Transport Service V2
- Version V2
- Wake Up V2
- Zwaveplus Info V2

Controlled Command Classes

- Basic

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.

Manuals+,