

## **AXIS T8344 Power On/Off Plug**

# AXIS T8344 Power On/Off Plug

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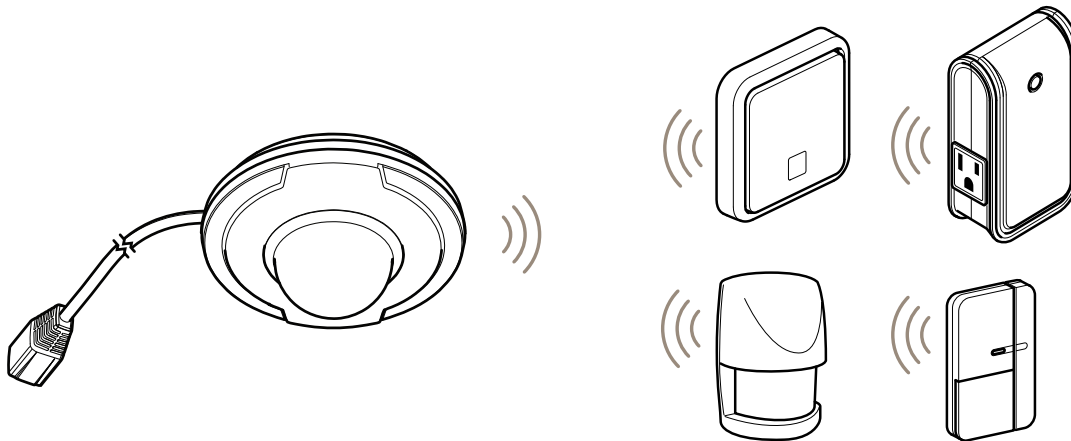
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# AXIS T8344 Power On/Off Plug

## Solution overview

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### Solution overview



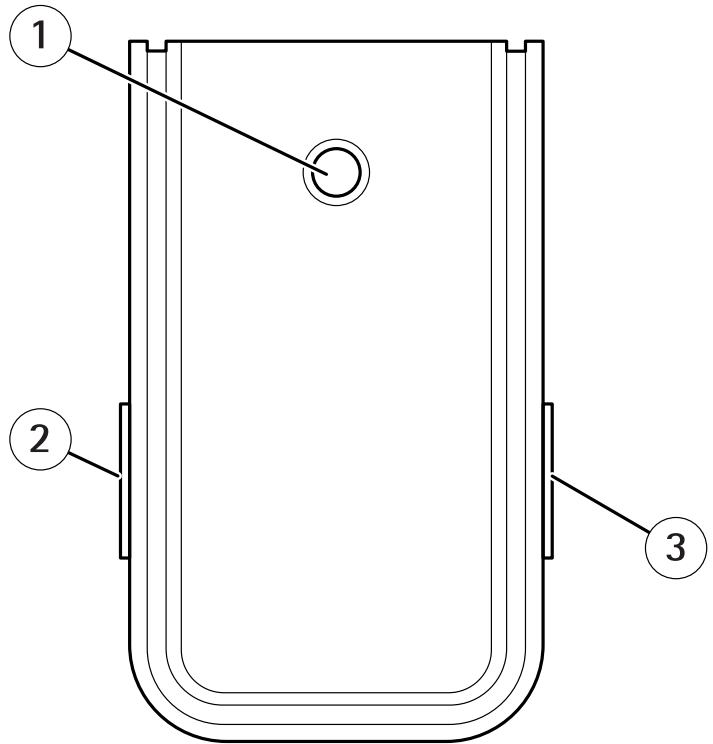
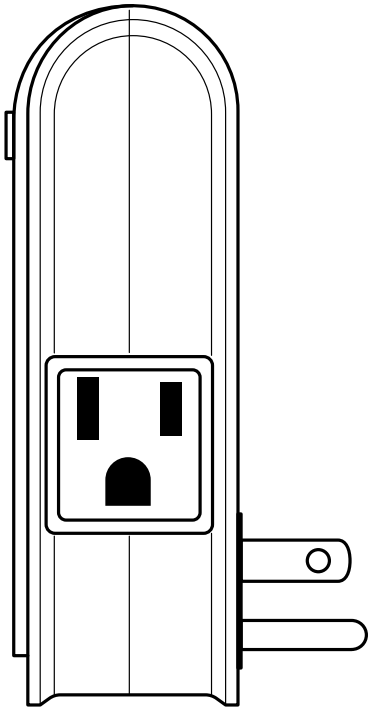
The device is Z-Wave® enabled and fully compatible with any Z-Wave enabled network. The device can be set up in a Z-Wave network to communicate directly with other end devices such as lighting controllers, or to report directly to a Z-Wave controller like the AXIS M5065 PTZ Network Camera.

# AXIS T8344 Power On/Off Plug

## Product overview

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### Product overview



1. Link button/LED indicator
2. Pass-through outlet
3. Controllable outlet

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## How to add a device to a Z-Wave Network

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### How to add a device to a Z-Wave Network

#### Auto inclusion

The detector supports the auto inclusion feature where it will automatically enter Inclusion mode when first powered up.

1. Put a Z-Wave controller into inclusion mode.
2. Plug the On/off Plug into a wall outlet near the device to be controlled.
3. Enter PIN number into the Z-Wave controller. The PIN number can be found on the device. See where in the installation guide.
4. The inclusion process should be completed when the LED stops blinking.
5. Perform test before using the device. See [How to test the Z-Wave Device](#).

#### Manual inclusion

You can also choose to manually add the Z-Wave device to a control device. Please follow the steps described below.

#### Note

For more details see the installation guide

1. On the front side of the device, there is a link-button/LED-indicator which is used to set the device in learning mode (inclusion, exclusion).
2. Put the Z-Wave controller in inclusion mode.
3. Press the link button 3 times within 1.5 seconds to put the unit into learning (inclusion/exclusion) mode.
4. Enter PIN number into the Z-Wave controller. The PIN number can be found on the device. See where in the installation guide.
5. The process should be completed when the LED stops blinking.
6. Perform test before using the device. See [How to test the Z-Wave Device](#).

#### Manual exclusion

1. Put the Z-Wave controller in exclusion mode.
2. Press the link button 3 times within 1.5 seconds to put the unit into learning (inclusion/exclusion) mode.
3. The process should be completed when the LED stops blinking.

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## How to test the Z-Wave device

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### How to test the Z-Wave device

From the Z-Wave Controller's interface, turn on the newly added On/Off plug (refer to the Controller's user manual for instructions). The LED indicator on the On/Off plug should light up.

- Turn off the On/Off plug before connecting any appliance to it.

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## How to program the Z-Wave device

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### How to program the Z-Wave device

#### Note

Programming Z-Wave devices using a Z-Wave controller is recommended for experienced users only.

#### Z-Wave Group

The detector supports either one of two Z-Wave Association Groups:

Group 1: Association with 1 Controller node.

Group 2: Association with 4 nodes (i.e. end devices such as smart plugs and other lighting controllers). This allows the detector to transfer commands directly to end devices without the participation of the controller. This has the effect that when the detector triggers, all devices associated with detector will be operated.

#### Note

Association-group support can vary among Z-Wave Controllers. The AXIS M5065 supports Z-Wave Association Group 1.

Group 1 commands:

- If the device already is a part of a Z-Wave network when powered up, the device will send a Notification Report to the node in Group 1.
- When setting up the device or changing the device's status, the device will send a Binary Switch Report to the node of Group 1. When the device is turned OFF: Switch Binary Report Value = 0x00. When the device is turned ON: Switch Binary Report Value = 0xFF.
- Device Reset: When performing Factory Reset, the device will send Device Reset Locally Notification to the node of Group1.

Group 2 commands:

- When the button on the device is pressed, the device will send a Basic Set command to the nodes of Group 2. When the device is turned OFF: Basic Set Value = 0x00. When the unit is turned ON: Basic Set Value = 0xFF

Z-Wave Plus<sup>®</sup> info

| Role type       | Node type        | Installer Icon      | User Icon           |
|-----------------|------------------|---------------------|---------------------|
| Slave Always On | Z-Wave Plus node | On Off Power Switch | On Off Power Switch |

Version

|                  |                               |
|------------------|-------------------------------|
| Protocol library | 3 (Slave_Enhance_232_Library) |
| Protocol version | 4.6 ( 6.71.00)                |

Manufacturer

| Manufacturer ID | Product Type | Product ID |
|-----------------|--------------|------------|
| 0x0364          | 0x0004       | 0x0001     |

AGI (Association Group Information) table

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## How to program the Z-Wave device

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| Group | Profile | Command Class & Command (List) N bytes   | Group Name (UTF-8)       |
|-------|---------|--|--------------------------|
| 1     | General | Binary Switch Report<br>Notification Report<br>Device Reset Locally Notification | Lifeline                 |
| 2     | Control | Basic Set  | On/Off control (Button1) |

### Basic

Basic Get: Inquire about the status of the device.

- Basic Report: Report the status of the device.
- Basic Set: Set the status of the device.

### Notification

The device will send notifications (Notification Type =0x08, Event = 0x01) upon being powered on.

### Configuration

The configurable values are as following:

Remember the last status:

| Parameter Number | Size | Range | Default                          |
|------------------|------|-------|----------------------------------|
| 3                | 1    | 1/0   | 1: remember (0: do not remember) |

### Command classes

- COMMAND\_CLASS\_ZWAVEPLUS\_INFO\_V2
- COMMAND\_CLASS\_SWITCH\_BINARY
- COMMAND\_CLASS\_SWITCH\_ALL
- COMMAND\_CLASS\_ASSOCIATION\_V2
- COMMAND\_CLASS\_ASSOCIATION\_GRP\_INFO
- COMMAND\_CLASS\_TRANSPORT\_SERVICE\_V2
- COMMAND\_CLASS\_VERSION\_V2
- COMMAND\_CLASS\_MANUFACTURER\_SPECIFIC\_V2
- COMMAND\_CLASS\_DEVICE\_RESET\_LOCALLY
- COMMAND\_CLASS\_POWERLEVEL
- COMMAND\_CLASS\_SECURITY
- COMMAND\_CLASS\_SECURITY\_2
- COMMAND\_CLASS\_NOTIFICATION\_V4
- COMMAND\_CLASS\_CONFIGURATION\_V2
- COMMAND\_CLASS\_FIRMWARE\_UPDATE\_MD\_V4
- COMMAND\_CLASS\_SUPERVISION



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## Troubleshooting

### Troubleshooting

| Action/Status  | Description  | LED indication             |
|--|--|----------------------------|
| No node ID Status  | The Z-Wave controller could not find the device and did not provide a node ID.           | 2-second on, 2-second off. |
| Factory Reset<br><br>(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 and hold the button for 5 seconds.                   |                            |
|  | 3. Node ID is deleted. The device reverts to factory default state.                      | 2-second on, 2-second off. |
| ∅ Failure or success in including/excluding the ID can be viewed on the Z-Wave Controller.   |  |                            |

Table below lists typical problems encountered:

| Symptom   | Cause of Failure  | Recommendation   |
|---|---|--|
| The device is not working and LED is always off even when button is pressed | The device is not plugged into the electrical outlet properly   | Check power connections to the device.   |
| The device's LED turns on, but connected appliance does not turn on.        | <ul style="list-style-type: none"> <li>The connected appliance has its own power switch set to off.</li> <li>The appliance requires a separate remote control to turn.</li> </ul> | <ul style="list-style-type: none"> <li>Set the ON/OFF switch of the appliance itself to ON position</li> <li>Appliances turned on/off by with remote control cannot be controlled by this On/Off plug module.</li> </ul> |

#### Note

For best results, exclude the device before starting the inclusion process. For more details see the installation guide.

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## Specifications

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### Specifications

To find the latest version of the product's datasheet, go to the product page on [axis.com](http://axis.com) and locate **Support & Documentation**.

#### Specifications

|                   |                                 |
|-------------------|---------------------------------|
| Operating voltage | AC100-120V, 50/60Hz             |
| Maximum load      | 1400W (US), 1200W (JP)          |
| Range             | Up to 100 meters line of sight* |
| Frequency range   | 908.42 MHz (US), 922.5 MHz (JP) |
| FCC ID            | FU5AN186                        |

Specifications are subject to change without notice.

\* If the device is to be used as a repeater it must be the first Z-Wave device added to the network.

