Foxx

Foxx Smart Switch

SKU: FOXESES

Quickstart

This is a **secure On/Off Power Switch** for **Europe**. To run this device p ease connect it to your mains power supp y.

P u the device into a power out et and set your contro er into inc usion mode. If you are unsure how to do that p ease refer to your contro er"s manua . Press the button on the bottom of the Smart Switch once to start the inc usion. The device wi now try to inc ude itse f into the Z-Wave network. P ease refer to your contro er for a pro ress report.

What is Z-Wave?

Z-Wave is the internationa wire ess protoco for communication in the Smart Home. This device is suited for use in the re ion mentioned in the Quickstart section.

Z-Wave ensures a re iab e communication by reconfirmin every messa e (**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 wire ess ran e 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 on as both are suited for the same frequency ran e.

If a device supports **secure communication** it wi communicate with other devices secure as on as this device provides the same or a hi her eve of security. Otherwise it wi automatica y turn into a ower eve of security to maintain backward compatibi ity.

For more information about Z-Wave techno o y, devices, white papers etc. p ease refer to www.z-wave.info.

Product Description

The Foxx Smart Switch with power meterin feature is an inte i ent and most sophisticated, remote y contro ed out et adapter. This hi h y functiona wa p u can be app ied wherever you want to contro e ectrica devices, whi e monitorin power consumption in a convenient and maintenance-free way.

Prepare for Installation / Reset

P ease read the user manua before insta in the product.

In order to inc ude (add) a Z-Wave device to a network it **must be in factory default state.** P ease make sure to reset the device into factory defau t. You can do this by performin an Exc usion operation as described be ow in the manua . Every Z-Wave contro er is ab e to perform this operation however it is recommended to use the primary contro er of the previous network to make sure the very device is exc uded proper y from this network.

Safety Warning for Mains Powered Devices
ATTENTION: on y authorized technicians under consideration of the country-specific insta ation uide ines/norms may do works with mains power. Prior to the assemb y of the product, the vo ta e network has to be switched off and ensured a ainst re-switchin .

Installation

P u the device into the Wa Out et

Inclusion/Exclusion

On factory defau t the device does not be on 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 ca ed **Inclusion**.

Devices can a so be removed from a network. This process is ca ed **Exclusion**. Both processes are initiated by the primary contro er of the Z-Wave network. This contro er is turned into exc usion respective inc usion mode. Inc usion and Exc usion is then performed doin a specia manua action ri ht on the device.

Inclusion

Sin e c ick on the pro ram switch.

Exclusion

Sin e c ick on the pro ram switch.

Product Usage

After the Foxx Smart Switch has been inc uded into your Z-Wave network it can start contro in connected devices and monitorin the power consumption. That way you a ways know how much power the connected device is usin and can switch it on or off as you see fit. You can define scenes in your contro er"s settin s that a ow you to turn the switch on or off dependin on the confi ured condition. It is a so possib e to contro other devices in your Network once your Smart Switch has chan ed.

Node Information Frame

The Node Information Frame (NIF) is the business card of a Z-Wave device. It contains information about the device type and the technica capabi ities. The inc usion and exc usion of the device is confirmed by sendin out a Node Information Frame. Beside this it may be needed for certain network operations to send out a Node Information Frame. To issue a NIF execute the fo owin action: Sin e c ick on the pro ram switch.

Quick trouble shooting

Here are a few hints for network insta ation if thin s dont work as expected.

1. Make sure a device is in factory reset state before inc udin . In doubt exc ude before inc ude.
2. If inc usion sti fai s, check if both devices use the same frequency.
3. Remove a dead devices from associations. Otherwise you wi see severe de ays.
4. Never use s eepin battery devices without a centra contro er.
5. Dont po FLIRS devices.
6. Make sure to have enou h mains powered device to benefit from the meshin

Association - one device controls an other device

Z-Wave devices contro other Z-Wave devices. The re ationship between one device contro in another device is ca ed association. In order to contro a different device, the contro in device needs to maintain a ist of devices that wi receive contro in commands. These ists are ca ed association roups and they are a ways re ated to certain events (e. . button pressed, sensor tri ers, ...). In case the event happens a devices stored in the respective association roup wi receive the same wire ess command wire ess command, typica y a 'Basic Set' Command.

Association Groups:

Group Number	Maximum Nodes	Description
1	5	Life ine
2	5	On Status Chan e

Technical Data

Dimensions	0.0540000x0.0780000x0.0750000 mm
Weight	110 r
EAN	1220000013223
Device Type	On/Off Power Switch
Generic Device Class	Binary Switch
Specific Device Class	Binary Power Switch
Firmware Version	03.1a
Z-Wave Version	03.53
Z-Wave Product Id	0086.0003.004b

Supported Command Classes

- Basic
- Switch Binary
- Switch A
- Scene Activation
- Scene Actuator Conf
- Meter
- Crc 16 Encap
- Association Grp Info

- Zwavep us Info
- Confi uration
- Manufacturer Specific
- Power eve
- Firmware Update Md
- Association
- Version
- Security
- Device Reset Loca y
- Hai

Controlled Command Classes

- Device Reset Loca y
- Hai

Explanation of Z-Wave specific terms

- **Controller** — is a Z-Wave device with capabi ities to mana e the network. Contro ers are typica y Gateways,Remote Contro s or battery operated wa contro ers.
- **Slave** — is a Z-Wave device without capabi ities to mana e the network. S aves can be sensors, actuators and even remote contro s.
- **Primary Controller** — is the centra or anizer of the network. It must be a contro er. There can be on y one primary contro er in a Z-Wave network.
- **Inclusion** — is the process of addin new Z-Wave devices into a network.
- **Exclusion** — is the process of removin Z-Wave devices from the network.
- **Association** — is a contro re ationship between a contro in device and a contro ed device.
- **Wakeup Notification** — is a specia wire ess messa e issued by a Z-Wave device to announces that is ab e to communicate.
- **Node Information Frame** — is a specia wire ess messa e issued by a Z-Wave device to announce its capabi ities and functions.