Smartly Gateway   2419D

COMMUNICATION GATEWAY FOR SMART HOMES

The Smartly Gateway is the brain in a Smartly Home solution. The Gateway enables unified Home Automation, providing customers with a complete Energy Management and Home control solution. The Gateway can be connected to the electricity meter in the home and provides Automated Meter Readings and Live power consumption information to the customer.

FEATURE OVERVIEW

Specification
- 2 x RJ45 Switched Ethernet ports
- 2 x 500mA USB-A ports for communication equipment
- 1 x 100mA MicroUSB ports for other extensions
- RJ45 port for Half/Full Duplex RS485 serial communication and combined 12V power supply input
- Combined Power and GPIO port

Wireless connectivity
- Wireless network 802.11n, 2.4Ghz compatible
- GSM / GPRS modem
- Z-Wave @ 868 Mhz
- Zigbee PRO @ 2.4 Ghz, not activated
- 4 External antenna connectors

Supported connectivity using USB extensions
- Eaton xComfort

Supported features
- Sensio Home Automation and Energy management solution
- Automated Meter Reading – Redundant multi path gateway for meter communication
- Mobile application gives customer full remote control of the system
- Quick and Easy installation
- Software updateable to support new features in the future

PRODUCT HIGHLIGHTS

SIMPLE INSTALLATION
The Smartly Gateway is designed to reduce installation cost to a minimum. It can be installed on a DIN rail within the fuse cabinet, or externally on the wall.

FULLY INTEGRATED SOLUTION
The Smartly Gateway combines Meter reading data and Home Automation features into one unified solution. This enables customers to control when the heating should be done to optimize the solution in his home.

MULTIPLE NETWORK CONNECTION OPTIONS
The Gateway is designed to work in any home, regardless of an internet connection being available or not. It can be connected to the customers own Internet connection over either cable or wireless network, or use GPRS to communicate when an internet connection is not available.

Z-WAVE

GENERAL INFORMATION
This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

This device is a security enabled Z-Wave Plus product that is able to use encrypted Z-Wave Plus messages to communicate to other security enabled Z-Wave Plus products

BASIC COMMAND
Reaction if this product receives a Basic Command: Ignore/Do nothing.

ASSOCIATION GROUPS
This product has one association group, used for Lifeline:

- Grouping identifier: 1
- Maximum number of devices that can be added to the group: 5
- Description : used for lifeline, gateway sending Device Reset Locally

INCLUSION/EXCLUSION AND NETWORK OPERATIONS
All Z-Wave related operations can be handled from the gateway's web interface, "BlackFly" (BF).

Inclusion / Exclusion of devices in the gateway's network

- BF Web interface; Z-Wave tab, "Add Device"
- BF Web interface; Z-Wave tab, "Remove Device"

    Please refer to the user manual of the device you are including/excluding to perform the correct action on the device

Reset (Factory Reset of the Z-Wave module)

- BF Web interface; Z-Wave tab > Advanced Operations, "Reset to default"

Including the gateway into any existing network

- BF Web interface; Z-Wave tab > Advanced Operations, "Learn mode"

Copy Z-wave network from a Primary Controller: put the gateway into learn mode to receive network information from another controller

- BF Web interface; Z-Wave tab > Advanced Operations, "Learn mode"

Controller Shift

- BF Web interface; Z-Wave tab > Advanced Operations, "Set another controller as primary"

OPERATION OF DEVICES IN THE NETWORK

Devices in the gateway's network may be handled from the gateway's web interface, "BlackFly" (BF).

- BF Web interface; DeviceRegistry tab: Select a device to interact with, press ArrowSymbol under "Actions".

  This opens the Explore page, showing the selected device's capabilities/features as per all the gateway's implemented command classes

All implemented controlled command classes, for all devices in the network, may be handled this way. The tool Xsetup may be used in addition, for introducing higher level home automation rules etc.
Please ref to user documents for BlackFly and Xsetup, respectively.

TERMINOLOGY

"Inclusion" is another word describing "Add Device". Correspondingly, "Exclusion" can describe "Remove Device".
"Replication" (of network information from a controller to another controller) can be described as doing "Copy"