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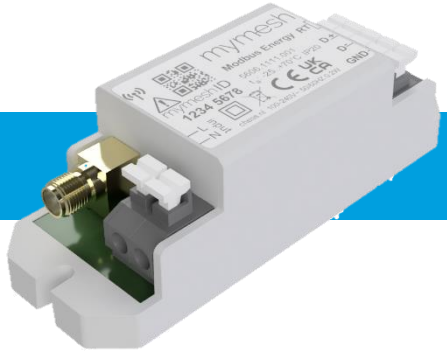
Product sheet

Modbus Energy



Making Buildings smart

Description

The Modbus Energy is a Mymesh device used for monitoring a logic energy meter. This device does not control anything, but only monitors the amount of power that is measured by the meter and provides signal logging for an Energy Management dashboard via the Mymesh network.

Technical summary

Mymesh is a fully mesh wireless network protocol in which the applied Mymesh components communicate with each other and automatically organise themselves into a fully integrated wireless sensor- and control network, resulting in a robust and scalable smart control system that inherently is the foundation for a smart building network.

Special features

- Data logging

Mymesh Support Centre (MSC)

At the MSC, you can find the Mymesh e-courses which provide information about the network, the API and other Mymesh functionalities. MSC is available for verified Mymesh Partners & Dealers.

Easy Installation & commissioning

The Modbus Energy is connected to a logic energy meter Modbus device. Configuration settings are available for several types of energy meters via the Mymesh Support Centre.

Please contact your local Mymesh dealer for more information.

The Modbus Energy is small enough to fit into a junction box or cabinet and its separate antenna makes up for extra flexibility.

The installation of the Modbus Energy is kept simple with two mounting slots. The wiring can be fixed and covered by an optional strain relief.

Network features

- Wireless, stand-alone network that is self-organizing and self-healing
- 2.4GHz communication for reliable data transfer
- Secure by design
- Ultra scalable to > 10,000 devices in one network
- Updates and new functionality can be installed with Over-The-Air updates.
- Cloud interface (REST API) available to connect with Building Automation Systems, dashboards, user apps and more.

Optional

- Connect to the Mymesh Management System for remote control, monitoring and management applications
- Connect to the Building Automation System for seamless integration with the buildings technical installations
- Connect to third party dashboards and apps

This product sheet is subject to change without notice.

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Device Information

Connections	
Rated input voltage	100 - 240VAC, 50/60Hz (140 - 340VDC)
Input voltage range	85 - 265VAC, 47 - 63Hz (120 - 370VDC)
Modbus	RS-485 Modbus
Antenna	SMA Female

Protection degree	
Modbus Energy	IP20

Order information	
Modbus Energy	BLC.1111.001
Strain Relief	BLC.1612.001

Energy Consumption	
Typical	0.2W

Environment	
Operating Temp.	-25˚ to + 70˚C
Relative Humidity	10% to 90%
Installation Height	Max. 2000m above sea level

Certification
ETSI EN 300 440
ETSI EN 300 328
ETSI EN 301 489-01/03/17
IEC EN 62368-1
RED / CE / UKCA

Housing	
LxWxH	84mm x 30mm x 24.9mm
Weight	Approx. 50 grams
Material	ABS PA-765
Colour	RAL 9003 White

Radio	
Band	2.4GHz ISM band