Qubino ZMNHTD1 Smart Meter PLUS Installation Guide

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Qubino ZMNHTD1 Smart Meter PLUS

Smart Meter is an extremely versatile and powerful Z-Wave device for measuring energy in a single-phase electrical power network of up to 65A. A built-in microprocessor calculates energy, power and power factor from the measured signals. It is designed to be mounted on a DIN rail.

PACKAGE CONTENTS

Smart Meter Device, Installation Manual, Z-Wave DKS label

INSTALLATION

1. To prevent electrical shock and/or equipment damage, disconnect electrical power: remove main fuse or put on OFF position a main disconnection switch (or circuit breaker if it is compliant to standard IEC947-2), before installation or any servicing.
2. Be aware that even if the circuit breaker is off, some voltage may remain in the wires — before proceeding with the installation, be sure no voltage is present in the wiring.
3. Take extra precautions to avoid accidentally turning on the device during installation.
4. Connect the device exactly according to the diagram.
5. Place the antenna as far as possible from metal elements as they may cause signal interference.

Danger of electrocution!
Installation of this device requires a great degree of skill and may be performed only by a licensed and qualified electrician. Please keep in mind that even when the device is turned off, voltage may still be present in the device's terminals.

Note!
Do not connect the device to loads exceeding the recommended values. Connect the device exactly as shown in the provided diagrams. Improper wiring may be dangerous and result in equipment damage. Electrical installation must be protected by over current protection fuse with rated current up to 63A, it must be used according to wiring diagram to achieve appropriate overload protection of the device.

AUTO-INCLUSION

1. Enable inclusion mode on your Z-Wave gateway (hub)
2. Connect the device to the power supply
3. Auto-inclusion will be initiated within 5 seconds of connection to the power supply and the device will automatically enroll in your network

MANUAL INCLUSION

1. Connect the device to the power supply
2. Enable add/remove mode on your Z-Wave gateway (hub)
3. Press and hold the S service button between 0.2 and 3 seconds
4. A new multi-channel device will appear on your dashboard

Note: In case of S2 Security inclusion a dialog will appear prompting you to enter the corresponding PIN number (5 underlined digits) that are written on the module label and the label inserted in the packaging (check the example picture). IMPORTANT: The PIN code must not be lost

Z-WAVE EXCLUSION

1. Connect the device to the power supply
2. Make sure the device is within direct range of your Z-Wave gateway (hub) or use a hand-held Z-Wave remote to perform exclusion
3. Enable add/remove mode on your Z-Wave gateway (hub)
4. Press and hold the S service button between 0.2 and 3 seconds
5. The device will be removed from your network but custom configuration parameters will not be erased

FACTORY RESET

1. Connect the device to the power supply
2. Press and hold the S service button between 6 seconds and 20 seconds
3. Device will be removed from you network

By resetting the device, all custom parameters previously set on the device will return to their default values, and the owner ID will be deleted. Use this reset procedure only when the main gateway (hub) is missing or otherwise inoperable.

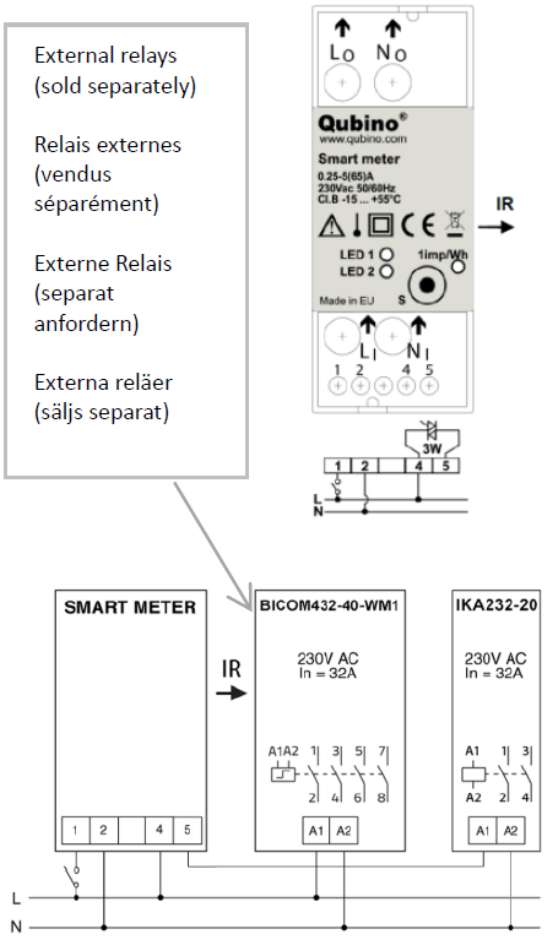
NOTE: See extended manual for custom settings and parameters available for this device.

IMPORTANT DISCLAIMER
Z-Wave wireless communication is not always 100% reliable. This device should not be used in situations in which life and/or valuables are solely dependent on its functioning. If the device is not recognized by your gateway (hub) or shows up incorrectly, you may need to change the device type m an ually and make sure your gateway (hub) supports multi-channel devices. Contact us for help before returning the product:
http://qubino.com/support/#email

WARNING
Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact

your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. When replacing old appliances with new once, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

ELECTRICAL DIAGRAM



Measurements

Voltage (V), Current (I), Power – Active (W), Power – Active total import (kWh), Power – Active total export (kWh), Power – Reactive (var), Power Reactive total (kvarh), Power – Apparent total (kVAh, Power Factor (PF)

SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, Goap d.o.o. Nova Gorica declares that the radio equipment type Smart meter is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: **https://qubino.com/products/3-phase-smart-meter/**

Documents / Resources

	Qubino ZMNHTD1 Smart Meter PLUS [pdf] Installation Guide ZMNHTD1 Smart Meter PLUS, Smart Meter PLUS, Smart Meter

References

- Measure energy consumption with the only 3phase energy meter on market
- Smart Meter to measure energy consumption | Qubino smart energy meter
- qubino.com/support/#email
- Smart Home Solutions | Wireless Home Automation | Qubino
- Smart Home Solutions | Wireless Home Automation | Qubino
- Measure energy consumption with the only 3phase energy meter on market