User Manual Relay X2+ WiFi

WRE-222-W-01

Grenton Relay X2 WiFi module allows you to control up to two outputs (max. 350 VA) and two digital inputs (230 V_{ac}). The X2+ version provides real power measurements for each output channel. It contains the Common Logic Unit (CLU) with WiFi wireless communication controller, executes the function of processing logic and storing the configuration.

1. Technical data

Device power supply	110-265V_{ac} 50/60Hz
Maximum power consumption	1,8W
Standby power consumption	1,0W
Maximum load voltage	250V_{ac} or 24 V_{dc}
Maximum channel load AC1	1,5A / 250V_{ac} / per channel
Maximum channel load DC1	1A / 24V_{dc} / per channel
Maximal breaking capacity AC1	350VA / per channel
Relay type	NO
Maximum wire cross section	2,5mm^2
WiFi frequency band	2,4GHz
Weight	40g
Fixing	flush mounted
Dimensions (H/W/D)	37/46/22mm
Operating temperature range	0 to +45°C

2. Wiring diagram

● The device without a target configuration loaded via Object Manager tool, has the minimal embedded configuration. The inputs are connected to the outputs, which allows for local loads control.

N	"Neutral" signal
L	"Line" signal
AC IN1	first channel input (230V_{ac})
AC IN2	second channel input (230V_{ac})
REL1	first channel output
COM	common power supply for REL1 and REL2
REL2	second channel output

3. Wireless communication configuration

The brand new device on power up starts with the AP (access point) SSID: CLU36xxxxxxx [reset] with the factory password (PIN) "00000000". After connection setup with the AP please connect to the device http server using web browser and http://192.168.4.1 link. Next please set up a PIN and a WiFi network parameters, the WiFi network the device is meant to be connected to. The PIN is the new AP password and the

"Secret Key" used by the Object Manager tool during the discovery process as well. In case of connection failure with the previously configurated WiFi network Relay X2+ WiFi starts with the AP SSID: CLU36xxxxxxx after 2 minutes of unsuccessful retries. After 10 minutes from the power on the AP is deactivated and the Relay X2+ WiFi only keeps trying to connect to the configurated WiFi network.

4. Restoring Factory Settings

Restoring Factory Settings activates sequence of 5 pulses ended with 2 seconds break given to one of the inputs. Duration of the 5 pulses must be less than 5 seconds. The time window while the factory reset can be done is from 5 to 30 seconds from the power on.

5. Warnings and Cautionary Statements

ATTENTION !

● Before proceeding with the assembly, read the installation schematics and full instructions available at www.grenton.com. Failure to follow the guidelines contained in the instructions and other requirements of due care valid as a result of the nature of the equipment (device) may be dangerous to life / health, damage the device or installation to which it is connected, damage other property or violate other applicable regulations. The manufacturer of the device, Grenton Sp. z o. o. does not bear any responsibility for the damage (property and non-property related) resulting from the assembly and / or use of the equipment not in accordance with the instructions and / or due diligence in handling the equipment (device).

● Device power supply, permissible load or other characteristic parameters have to be in accordance with the device specification, described in particular in the "Technical data" section.

● The product is not intended for children and animals.

● If you have technical questions or comments about the device operation, contact Grenton Technical Support.

● Answers to frequently asked questions can be found at: www.support.grenton.com.

DANGER !

● Danger to life caused by electric current!

● The components of the installation (individual devices) are designed to work in a home electrical installation or directly in its vicinity. Incorrect connection or use may cause a fire or electric shock.

● All work related to the installation of the device, in particular works involving interference in the electrical installation, may be performed only by a person with appropriate qualifications or licences.

● When installing the device, make sure that the power supply voltage is disconnected from the circuit in which the device is connected or near which the assembly takes place.

6. CE Marking

The manufacturer declares that the device is in full compliance with the requirements of EU legislation that includes the directives of a new approach appropriate for this equipment. In particular, Grenton Sp. z o. o. declares that the device fulfills the requirements on safety, specified by law, and that it conforms to the national regulations that implement the appropriate directives: The Radio Equipment Directive (RED - 2014/53/UE), the Low Voltage Directive (LVD 2014/35/UE) and the Directive on the limitation of the use of specific substances in electrical and electronic equipment (RoHS II - 2011/65/UE).

7. Warranty

Warranty available at www.grenton.com/warranty.

8. Manufacturer Contact Details

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