HUBIoT-2

Group in catalogue: SMART
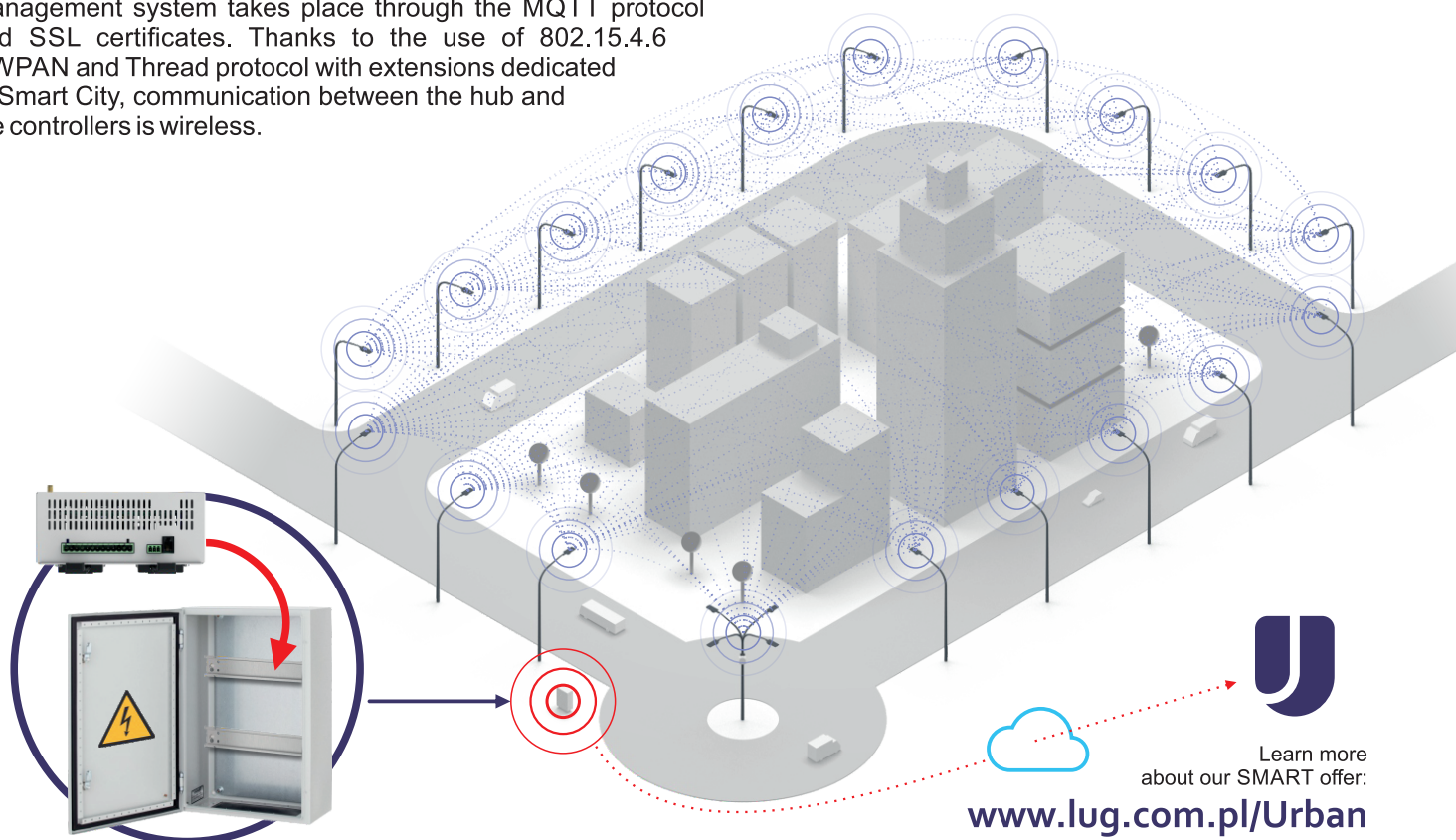
CE 220-240V / 50 Hz IP 20

HUBIoT-2 is a hub (also called a gateway or a router) which allows the BIOTcloud servers to communicate with Thread devices such as iBLOC oe eBLOC via the Internet (through cell phone network or LAN). HUBiot-2 enables the connection of secondary devices via the RS-485 interface. This could be, for instance, an iNET-3P power supply parameter meter which monitors the 3-phase power supply line for the lighting.

HUBIoT-2 serves as a bridge which connects the management system installed in the cloud with controllers and sensors located at various sites. Communication between the hub and the management system takes place through the MQTT protocol and SSL certificates. Thanks to the use of 802.15.4.6 loWPAN and Thread protocol with extensions dedicated to Smart City, communication between the hub and the controllers is wireless.

Learn more about our SMART offer:
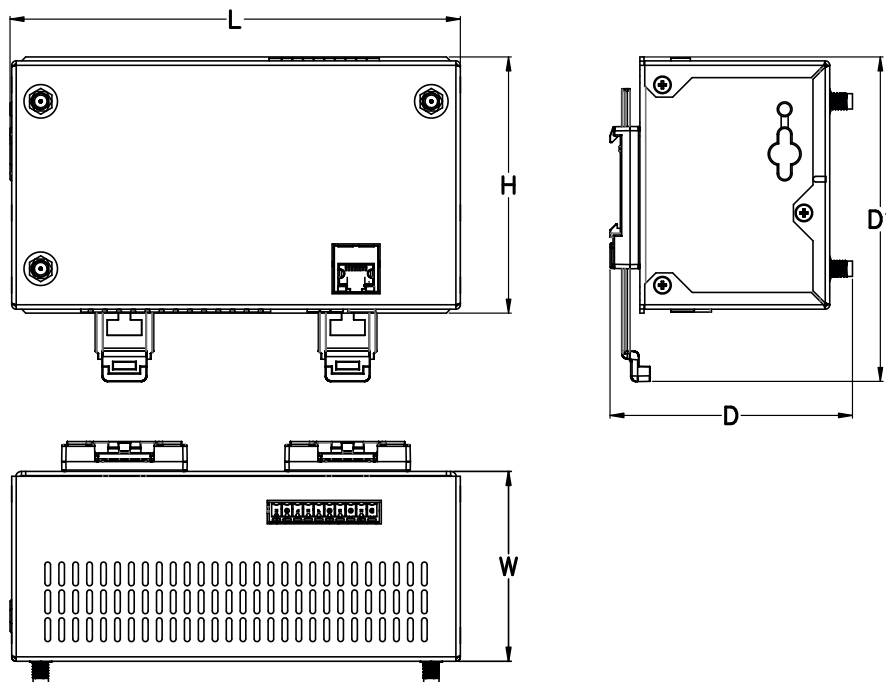
www.lug.com.pl/Urban

GENERAL DATA

- 2G/3G/4G radio module
- 2.4 GHz radio module with THREAD communication (radio-mesh)
- Ethernet 10/100Base-T port
- RS-485 port
- 4 binary control inputs

- 4 relay outputs
- Can be assembled on a DIN TS-35 track
- Dedicated to the BIOTcloud lighting control system
- Lifetime of up to 100 000 h
- 5 year warranty

Up-to-date product info and General Warranty Terms available on our website www.luglightfactory.com

AVAILABLE VERSIONS

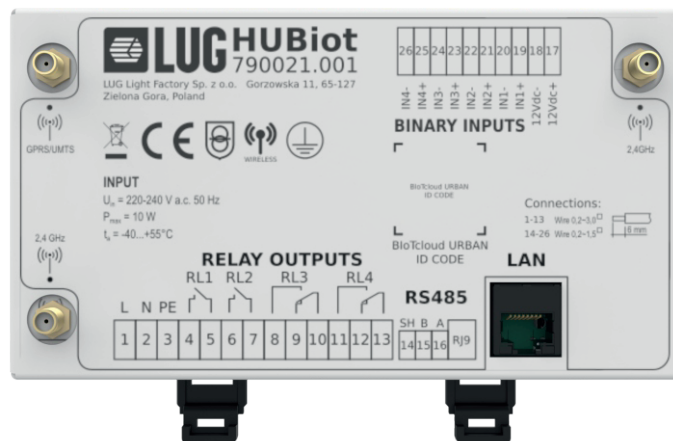| Code	Version	Mounting	Power	Dimensions [mm] L W H D D1
790022.001	EU	on DIN TS-35 rail	220-240V 50Hz	160 70 90 88 115
790022.101	WW	on DIN TS-35 rail	220-240V 50Hz	160 70 90 88 115

DIMENSIONS

ADDITIONAL PHOTOS

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DESCRIPTION OF MODULE CONNECTORS

1	L	Power supply voltage phase cable 230 VAC
2	N	Power supply voltage neutral cable 230 VAC
3	PE	Protective conductor
4	RL1 NO	Relay no. 1 normally open contact
5	RL1 CC	Relay no. 1 common contact
6	RL2 NO	Relay no. 2 normally open contact
7	RL2 CC	Relay no. 2 common contact
8	RL3 NO	Relay no. 3 normally open contact
9	RL3 NC	Relay no. 3 normally closed contact
10	RL3 CC	Relay no. 3 common contact
11	RL4 NO	Relay no. 4 normally open contact
12	RL4 NC	Relay no. 4 normally closed contact
13	RL4 CC	Relay no. 4 common contact
14	SH	Rs485 communication screen
15	B	Rs485 signal B for communication
16	A	Rs485 signal A for communication
17	12Vdc+	Power supply +12 Vds < 20 mA
18	12Vdc-	Supply earth voltage 12 Vdc
19	IN1+	First binary input +
20	IN1-	First binary input -
21	IN2+	Second binary input +
22	IN2-	Second binary input -
23	IN3+	Third binary input +
24	IN3-	Third binary input -
25	In4+	Fourth binary input +
26	IN4-	Fourth binary input -

DEVICE PARAMETERS

POWER SUPPLY PARAMETERS
AC supply voltage [U_{in}]: **220-240 V**
Supply frequency [f_{in}]: **50 Hz**
Input power [P_{in}]: **6 W**

OUTPUT PARAMETERS
Max. relay load current [I_{RL}]: **3 A**
Max. relay load voltage [U_{RL}]: **250 V**
Min. no. of relay operating cycles [N_{RL}]: **10 000**

INPUT PARAMETERS
Input type: **binary, polarised, optoisolated**
Max. input voltage [U_{max}]: **12 V**
Threshold voltage [U_{Th}]: **4 V**
Max. input current [I_{max}]: **10 mA**

ENVIRONMENTAL PARAMETERS
Ambient temperature [T_{amb}]: **-40 ... +55°C**
Storage temperature [T_{store}]: **-40 ... +85°C**
Relative humidity [h]: **10 ... 90%**
Degree of water and dust proof: **IP20**

OTHER
Radio frequency protocol: **IEEE 802.15.4, 6LoWPAN, Thread**
Frequency band: **2,4 GHz**
Net weight: **1250 g**
Lifetime (Ta = 70°C): **100 000 h**
Warranty: **5 years**

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Date of issue: 04-04-2022   The LUG Company reserves the righ to introduce any construction changes and improvements to the product