EN

HUBIoT-1

Group in catalogue: SMART

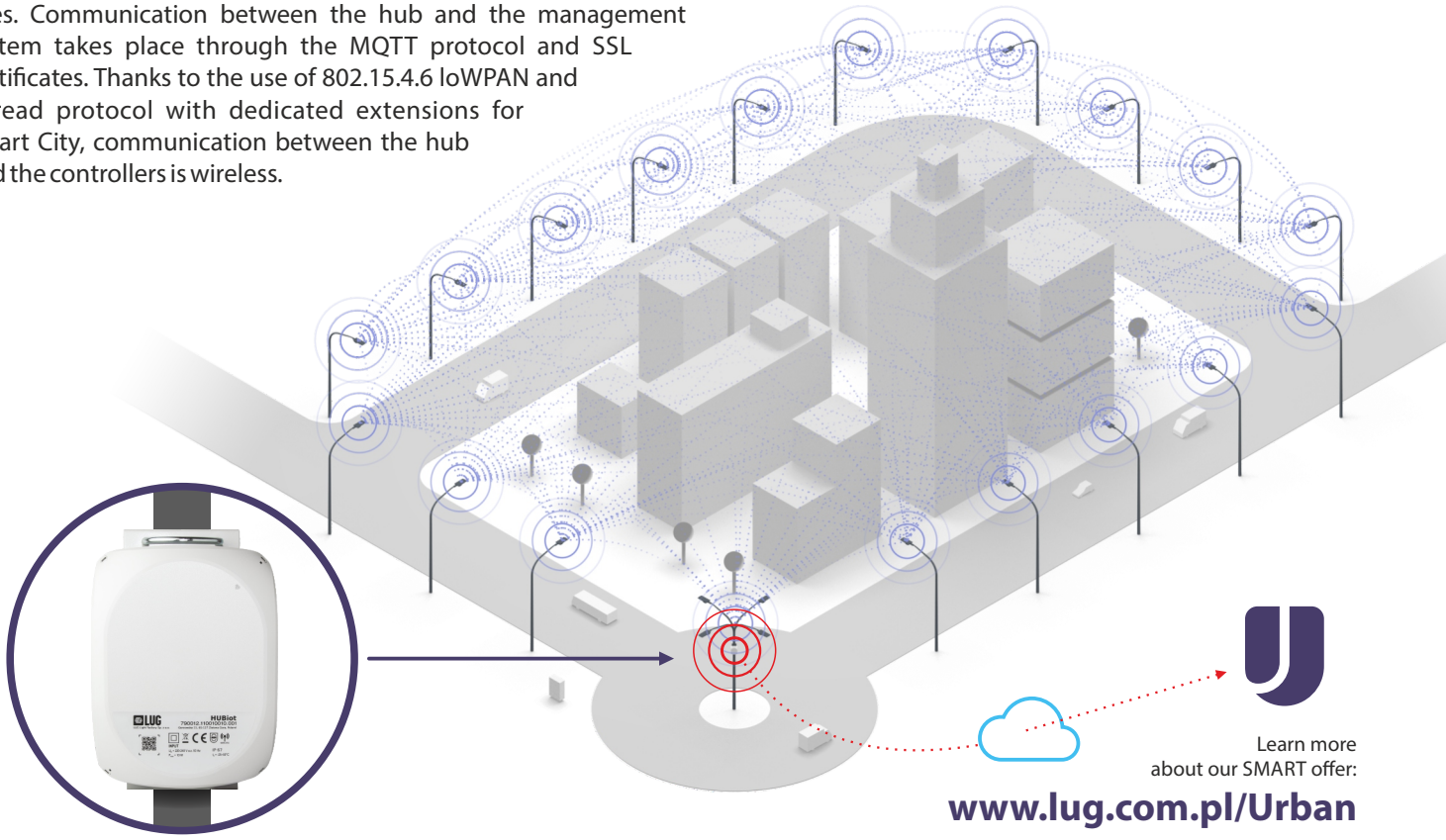
220-240V
50 Hz

IP
67

HUBIoT is a hub (also called a gateway or a router) which allows the BIOTcloud servers (and the user) to communicate with Thread devices such as iBLOC via the Internet (through GSM or Ethernet). HUBIoT has 2 independent radio modules for Thread communication, which means that communication between Thread clusters does not require communication with servers. Therefore, it is possible to implement functions such as tracking lighting - which works in real time with no supervision from the cloud.

HUBIoT

HUBIoT 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 dedicated extensions for 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 radio module
- 2.4 GHz radio module with THREAD communication (radio-mesh)
- Ethernet 10/100Base-T port (option)
- Can be mounted on a post or on a wall
- Dedicated for the BIOTcloud lighting control system
- Lifetime of up to 100 000 h
- 5 years warranty

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

Date of issue: 19-8-2019

The LUG Company reserves the righ to introduce any construction changes and improvements to the product

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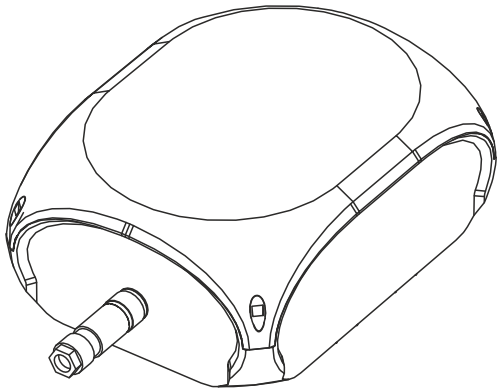
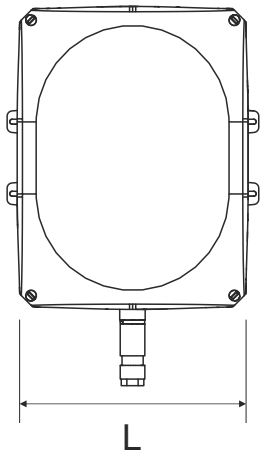
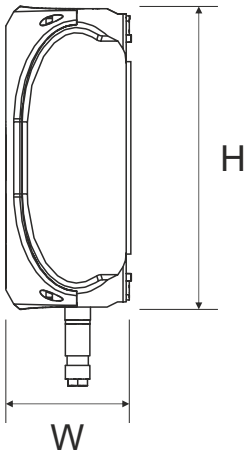
AVAILABLE VERSIONS

Code	Version	Mounting	Power	Type of equipment	Dimensions [mm] L W H
790012.110010010.001	EU	on a pole	220-240 V 50 Hz	-	225 122 295
790012.110010030.001	EU	on surface	220-240 V 50 Hz	-	225 122 295
790012.110020010.001	EU	on a pole	220-240 V 50 Hz	Ethernet	225 122 295
790012.110020030.001	EU	on surface	220-240 V 50 Hz	Ethernet	225 122 295
790012.210010010.001	Global	on a pole	220-240 V 50 Hz	-	225 122 295
790012.210010030.001	Global	on surface	220-240 V 50 Hz	-	225 122 295

DIMENSIONS







ADDITIONAL PHOTOS

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DEVICE PARAMETERS

INPUT PARAMETERS	Supply voltage [U_{in}]: **220-240 V**
	Supply frequency [f_{in}]: **50 Hz**
	Input power [P_{in}]: **10 W**
ENVIRONMENTAL PARAMETERS	Ambient temperature [T_{amb}]: **-25 ... +55°C**
	Storage temperature [T_{store}]: **-40 ... +85°C**
	Relative humidity [h]: **10 ... 90%**
	Degree of water and dust proof: **Ip67**
COMMUNICATION WITH SECONDARY DEVICES	Radio frequency protocol: **IEEE 802.15.4, 6LoWPAN, Thread**
	Frequency band: **2,4 GHz**
	Max. no. of devices in the network: **200**
COMMUNICATION WITH THE PRIMARY SYSTEM	Wireless interface: **2G / 3G**
	Wired interface: **Ethernet**
	Protocol: **MQTT**
	Encryption: **SSL (2048 bitów)**
OTHER	Optional extension sockets: **I2C, UART, SPI, 1-Wire, USB**
	Device identification: **Kod QR**
	Net weight (without the mounting bracket): **1,9 kg**
	Lifetime (Ta = 55°C): **100 000 h**
	Warranty: **5 years**

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