



Embedded Systems SIA, VAT No LV40003411103 47. Katolu str., Riga, LV 1003, LATVIA Phone: +371 67648888, fax: +371 67205036, e-mail: <u>sales@openrb.com</u>

CANx AC 230V sensor (1 x Voltage + 3 x Current clamp inputs)

ENG - Data sheet Issue date 11.04.2019

Application

3 channel CAN AC 230V sensor extension is designed to be used in building and industrial automation applications as an extension module to LogicMachine series devices based on CAN FT



bus and LoRa 433 wireless. The device can be used as voltage / current / power meter. It has three independent channels for external AC current measurement clamps. The configuration and monitoring of the device is done through separate LogicMachine CANx application. The device is designed for DIN-rail mounting and requires 3 DIN-units.

Types of product

CAN-CM3

CANx AC 230V sensor (1 x Voltage + 3 x Current clamp inputs)

EMBS-CE-110926/01 Electromagnetic compatibility

Standards and norms compliance

CE conformity:

EMC:

РСТ

EN61000-6-1 EN61000-6-3 Certificate

Technical data:

Power supply:

12-32V DC

Power supply

Interface:

Inputs for AC clamps

3 (0-5V split core sensor)

	USB	1 microUSB for upgrade firmware flashing
	CAN FT	1
Operating elements	LED	1 – CPU load / Program address (green) 1 – Error/Reset (red) 2 – RX/TX LoRa
	Programming/reset button	1
Clamps:	CAN FT Terminal Inputs Power supply	0.8mm2 3.5 mm2 5 mm2
Enclosure:	Material: Color: Dimensions:	Polyamide Gray 52(W)x91(H)x56(L) mm
Protection: Usage temperature: Storage temperature: Net weight: Gross weight:	IP20 according to EN 60529 -5C +55C -20C +70C 104g 122g	
	0	



Security advice

The installation and assembly of electrical equipment may only be performed by skilled electrician. The devices must not be used in any relation with equipment that supports, directly or indirectly, human health or life or with application that can result danger of people, animals or real value

Mounting advice

The devices are supplied in operational status. The cables connections included can be clamped to the housing if required.

Electrical connection

The devices are constructed for the operation of protective low voltage (SELV). Grounding of device not needed. When switching the power supply on or off, power surges must be avoided.

Default settings

<u>Line ID</u>: 0

Node ID: 1

Max. number of group addresses per object : 16

Reset to defaults

Press programming button for 5 seconds, the RED LED blinks 2 times, then release button - GREEN lights up shortly.

Programming physical address

Press programming button shortly, GREEN LED lights up. After you have programmed address from CANx application, it will automatically switch off the LED.

