



## Concentrator for electrical switchboard

This is the main element for remote management at electrical switchboard level, it must be installed together with the Actuator (ref.692010).

It allows control of the electrical switchboard, managing lines of luminaires in a practical and simple way. The greatest advantage of the switchboard control is the consumption supervision. As it is located at the same metering point as the electricity company, it allows bills to be compared with actual consumption. Other key functions are the monitoring of the electrical network, to detect possible anomalies in the network and optimize maintenance, and the management of the switching on or off of lines, improving the efficiency of the lighting system.

The concentrator panel combines a three-phase electricity meter, a high-performance processor and direct communication with the cloud to exploit the usefulness of the data collected. It operates as an information gateway to the remote management platform, allowing monitoring and acting on luminaire lines.

Several communication interfaces are available. Our system includes wireless connectivity, via 2G, 3G or 4G, for 1 year. In addition, connection via Ethernet cable (twisted pair) is also supported.

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Ref. 692001

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Logical ref.	RMC
EAN13	8424450231166

## Other features

Connectivity	1 year
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## Physical data

Net weight	1,041.00 g
Gross weight	1,142.00 g

## Packaging info

Box	1 pcs.
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## Highlights

- **Real-time clock (RTC):** keeps the entire system on time, and responds in time to all scheduled events and actions, even after loss of communication with the platform
- **Memory and data storage** of all recorded values for 1 year
- **Battery back-up:** allows alarm to be sent in the event of a power loss, as well as eases controlled disconnection so as not to compromise the database
- **Class I three-phase meter:** provides detailed information on the parameters necessary for efficient energy management (currents, voltages, power factor, power, etc.)
- **High speed 1GHz processor** with 1Gb of RAM and up to 16Gb of Flash
- **Wireless communications** available 2G (GPRS, GSM), 3G, 4G
- **Bi-directional 10/100 Mb/s Ethernet interface** operating in auto MDI/MDIX modes and with RJ-45 connector
- **Open door detection**
- **RS-485 communication interface** (MODBUS)
- **API RESTful** to facilitate system integration in any protocol of other management platforms
- **DIN rail installation**

## Technical specifications

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Single-phase input range	Vac	100-277
Input frequency	Hz	50/60
Max. power consumption	W	15
Power factor		>0.80
Ethernet Modes		10/100 Mbps
MDI/MDIX		Yes
Full Duplex		Yes
Mobile connection		2G (GPRS, GSM), 3G, 4G
Operating temperature	°C	-25 ... 55