

EPRW

Wireless optical pulse counter



GO WIRELESS **READY STEADY GO**

The wireless optical pulse meter monitors the energy consumption by counting the light pulses from an electrical meter. It is part of the Regin Go Wireless concept.

- ✓ Wireless energy consumption measurement
- ✓ Very easy to install
- ✓ Long battery life
- ✓ Extensive communication range

Function

EPRW is a sensor that measures and monitors the output from an electricity meter. It reports the power consumption (W) and the electric energy (kWh) to a receiver. It is designed to work with the Regin product RCW-M32, a wireless receiver with Modbus communication.

The optical eye is placed on an electricity meter marked with a meter constant in imp/kWh. The optical eye sensor counts the light pulses from the meter, and sends a signal to the Modbus receiver. The energy and power consumption can be followed up with a Modbus controller. If the electricity meter uses a meter constant in kWh/imp, the reported value from the EPRW must be recalculated.

The sensor will also send a supervisory signal at a regular interval every 95-110 minutes, and when the batteries need to be replaced.

Appearance

The sensor and optical eye comes in a discrete white housing.

Under the cover is a push-button for pairing the sensor with the receiver and for test purposes. There is a LED light that indicates contact with the receiver and the battery status.

Installation

The sensor is easy to install using the screw holes in the housing.

The optical eye is magnetic and comes with a loose magnet. The magnet should be attached centered over the LED on the electrical meter, and the optical eye then placed on the magnet. For best performance, the optical eye is used in a room with no, or very low, ambient light.

The sensor uses two AA 1.5V L91 lithium batteries.

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EPRW

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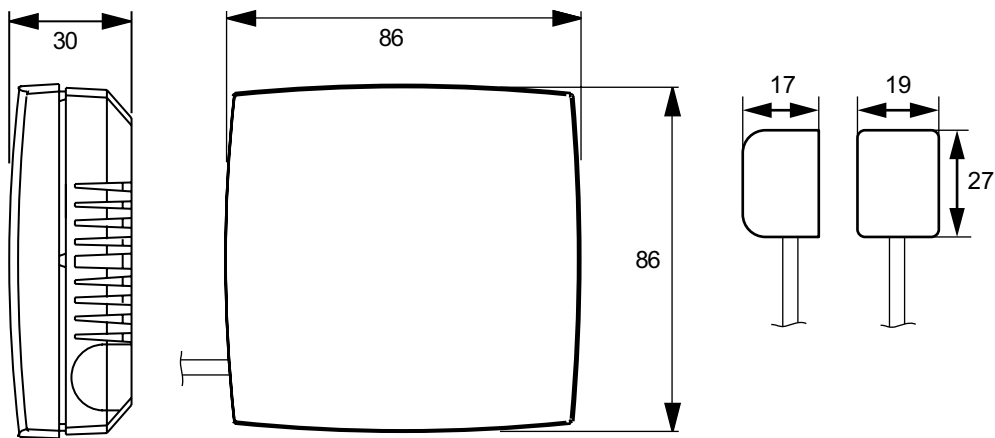
Technical data

Supply voltage	Battery AA 1.5V L91 Lithium x 2
Battery life	6 years (calculated on activation every 5 minutes)
Frequency	868 MHz
Operating temperature	-10...+50°C
Operating humidity	Max. 85 % RH
Protection class	IP30
Dimensions external (WxHxD)	86 x 86 x 30 mm
Dimensions, optical eye (WxHxD)	27 x 19 x 17 mm
Cable length	1 m



This product carries the CE-mark. More information is available at www.regincontrols.com.

Dimensions



Documentation

All documentation can be downloaded from www.regincontrols.com.