

Save your Energy!

Through real-time monitoring



Guardian Energy

The **GUARDIAN Energy** module meets the current monitoring needs of energy consumption, with great ease of installation and use.

The **GUARDIAN Energy** module allows real-time monitoring and historical archiving of all data on electricity consumption, local area or geographical area.

The data can be detected both inside electrical panels and in sections or detached areas, through the use of SGW-4 Energy interfacing and data transmission modules.

GUARDIAN Energy offers an extreme simplicity of installation, and a great versatility of use thanks to the possibility of interfacing with the most widespread market modules for the detection of energy data.



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2B CONTROL

Consume always under control

GUARDIAN Energy is able to detect in real time all the network parameters: current, voltage, active power, reactive power, power factor, frequency.

The data is stored locally and forwarded to the central control platform. Communication to the center can be done via LAN or in latest generation wireless connectivity: LoRa, WiFi, BLE. The wireless data can be transmitted up to 10 km away, with a coverage capacity suitable for any type of building or settlement, both civil and industrial.

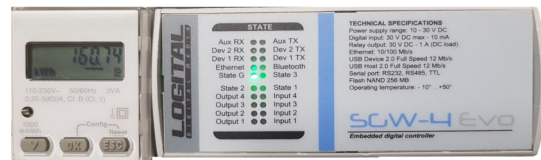
GUARDIAN Energy publishes the instantaneous and periodic data on a daily, weekly or monthly basis, based on the schedules set on the system. The service allows you to extract energy consumption reports and statistics on individual plants or logical aggregations.

GUARDIAN Energy responds to current regulations for monitoring consumption, allowing all the tools to achieve an effective energy optimization,

through the timely identification of waste.

The data are collected by the SGW-4 Energy data logger through all the most common certified modules of the market. The data logger, in addition to local maintenance, periodically sends all the values to the central module which, in all the display modes offered by the GUARDIAN Kernel, which allows the creation of timely views.

It is possible to view single detector readings, or aggregated data for logical areas (plans, sectors, machining centers).



SGW-4 ENERGY MODULE

