



Application notes



Application Note : November 2021

Market involved : Energy Efficiency

Product : EM530, EM540

Customer : OEMs and facility managers

Subject : Implementation of an energy efficiency monitoring system

CUSTOMER ISSUE :

Implementing an energy efficiency program requires the installation of several energy meters to monitor the most critical loads and to identify possible actions.

The correct configuration and addressing of each meter and the implementation of the Modbus map to read data is an extremely time-consuming activity.

OUR SOLUTION :

The EM530 and the EM540 are very compact meters (only 3-DIN modules), guaranteeing the minimum space occupancy also in existing switchboards.

Completing the quick set-up procedure, the meter is ready to communicate data with any Modbus master, in just a few seconds.

In combination with the UWP 3.0, Carlo Gavazzi monitoring gateway and logger, the integration is even faster, being that the Modbus map is already implemented.

BENEFITS :

- Reduced space required in a switchboard (only 3-DIN modules)
- Quick set-up to complete the configuration in less than 30 seconds
- Easy integration with a UWP monitoring gateway by Carlo Gavazzi
- UCS Desktop freeware software available for remote configuration via Modbus RTU or via Internet connection, thanks to the UWP Secure Bridge connection