



Sensors



Switches



Controls

Application notes



Application Note : November 2021

Market involved : Energy Efficiency

Product : EM530

Customer : Maintenance staff

Subject : Operating time monitoring for maintenance planning

CUSTOMER ISSUE :

Maintenance of critical loads and industrial machines is typically based on working hours.

Without a dedicated monitoring system, working hours are only estimated, with the risk of an outage, if the working hours are underestimated.

OUR SOLUTION :

The EM530 provides a run hour meter with selectable current thresholds, that can be adjusted above the stand-by consumption, to monitor the effective working hours of the monitored machine.

Collecting this information remotely via Modbus RTU, allows maintenance activities to be correctly implemented.

In addition, by using the digital input to start/stop partial kWh and the partial run hour meter, the latter values can be compared with the total kWh and total operating time to understand any unnecessary energy consumption in stand-by mode, and put in place actions to reduce it.

BENEFITS :

- Run hour meter with selectable current thresholds
- Total operating time
- Digital input for start/stop or reset of partial meters