Date: September 2013
Type of product: Web-box data logger
Product name: ELOG

Discover ELOG,
the smart data logger from Enerdis®

> *ENERDIS, the expert in energy intelligence, is consolidating its technological leadership by proposing its **ELOG web-box data logger**, an innovative solution combining **functions** for **monitoring**, **remote data retrieval**, **recording** and **supervision**.*

With heterogeneous data, multiple communication modes and various brands of equipment, the operation of installations is becoming increasingly complex and expensive. With **ELOG**, Enerdis® is presenting an open technical and economic solution: a stand-alone unit which **simplifies energy management**.

A WEB solution

Usable directly via the Ethernet and internet networks, the operation of **ELOG** is simplified by the use of **web services** for:

- Exchanging information in the universal http language between all multi-platform (PC, Smartphone, tablet) and multi-language (JavaScript, C, C++, etc.) applications
- Configuration, remote retrieval, display and analysis of the data via standard applications (integrated web pages, Excel, E.online 2 supervision software from Enerdis®)
- Quick, economical integration in the various types of software and applications for analysis, monitoring and improvement of energy performance in tertiary buildings and industrial processes.

A BOX solution

For applications supervising a whole installation, **ELOG** can be **implemented as a fleet** across several areas and/or geographical sites. In this way, it allows users to:

- Collect remote data locally by technical zone (building, floor) or by geographical site (multi-site installation)
- Remotely retrieve all the data from remote ELOGs and group them at a single point

A DATA solution

ELOG converts all **the heterogeneous data** from an installation **into a homogeneous format** which can be **used universally**:

- Whatever the associated multi-brand equipment
- Whatever the equipment connected: power monitors, meters, PLCs, panel meters, etc.

- Whatever the type of information gathered: energy metering data, climate data, process data, etc.
- Whatever the communication modes used: RS485, Ethernet, pulses, etc.

ELOG, a genuine **database**, records the values of the pulse inputs and the Modbus variables of the equipment connected to the communication ports:
- Up to 50 variables simultaneously
- Recording log covering up to 3 months

A LOGGER solution

The data from the equipment on the installation are **automatically retrieved remotely** by **ELOG**, from every 5 seconds to every 60 minutes, via:
- 5 pulse inputs
- 2 x RS485 Modbus ports and 1 x Ethernet Modbus TCP port

To make it easier to set up, **ELOG** is supplied with a tested and validated library of Modbus drivers for equipment from the various manufacturers on the market.

What you need to REMEMBER

The **ELOG web-box data logger** is a **smart, open logger** with a large **storage capacity** to simplify the operation of installations involving:
- Multi-function equipment (multi-brand meters, power monitors, PLCs, etc.)
- Heterogeneous data (type, format, access, etc.)
- Multiple communication modes (pulses, RS485, Ethernet, etc.)
- Time/date-stamping of recorded data

When used with the E.online $2^®$ processing software, ULYS energy meters and Enerium$^®$ power monitors, **ELOG** is part of a **global solution** which is ideal for the most demanding sectors of activity and meets all the requirements for **energy performance**.

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