



EDS, Efficiency Data Server

Code: M61010. CONSULTAR DISPONIBILIDAD

> Servidor

> Protocol: Modbus Circutor > Communications: Ethernet

> Nº relays: 6 > Digital inputs: 8

Description

EDS is an energy manager equipped with PowerStudio Embedded and a built-in web and XML server, which enables the user to guery any electrical variable by connecting the metering equipment to its RS-485 bus without having to install any software. Thanks to the RS-485 expansion bus, the user can view any variable from the units connected to the bus and can even display information in real time, in table or graphic format (data logger). There are 8 voltage-free digital inputs and 6 programmable relay digital outputs.

Its most salient features include:

- o Parameterisation and management of automatic events
- o Alarm recording system and system event management
- o E-mail alarms.
- o RS-485 port for connecting up to 5 CIRCUTOR devices.
- Ethernet connection
- o Centralisation of alarms through detection of logical states or centralization of consumption by pulses.

Application

Domestic application: EDS can be used to control the partial consumption of each load in a domestic installation.

- o Control of domestic consumption.
- \circ $\,$ Compare your consumption with that of the energy marketer.
- o Rationalisation of home consumption.

SME/Industrial application: EDS facilitates the control of partial consumptions of the different single-phase and three-phase loads during productive and non-productive periods.

- o Control the consumption of your installation 24/365 and locate residual consumption during nonproduction periods
- o Check the power level contracted in the installation.
- o Supervise the level of harmonics and the reactive load of your installation.
- o Alarms for consumption or incidents in your electrical network.
- O No need for a computer
- o Possibility of connection when specified: the system acts automatically.
- o Provides information about your bill before you receive it.

Multi-point application: in the case of load distribution (or remote installations) EDS can control the individual consumption of each of the installations and centralise them into a single one.

- $\circ\;$ Efficient, easy and simple control of the consumption of your remote sites.
- Energy reports per consumption zone or site
- Remote alarms for excess consumption or incidents in the electrical network.







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 $\circ\;$ Possibility of comparing consumption for each site.







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Specifications

AC power supply	
Consumption	58VA
Frequency	4763 Hz
Nominal voltage	85264 Vca/120300 Vcc
Mechanical characteristics	
Size (mm) width x height x depth	90 x 105 x 105 (mm)
Envelope	Plastic UL 94 - V0 self-extinguishing
Weight (kg)	0,29
Environmental characteristics	
Protection class	IP 20
Relative humidity (without condensation)	595%
Working temperature	-10 +60 °C
Standards	
Certifications	CE, UL
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III , IEC 61010
Standards	UL 94, UNE-UNE-EN 61010-1, UNE-EN55011, UNE-EN 6100-4-2, UNE-EN 61000-4-3, UNE-EN 61000-4-11, UNE-EN 61000-6-4, UNE-EN 61000-6-2, UNE-EN61000-6-3, UNE-EN 61000-4-5
Communication Network	
Protocol	HTTP / Modbus RTU
Technology / Type	Ethernet 10 /100 BT
Electrical safety	
Insulation	Double-insulated electric shock protection class II (IEC 61010-1)
User interface	
Display format	Alphanumeric 2 Lines
Resolution of the display	20 characters
Display type	Backlit LCD
Digital inputs	
Input/output insulation	1,5 kV
Туре	Free of optoisolated voltage
Maximum short-circuit current	50 mA







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Digital relay outputs

Quantity	6
Maximum current	5A
Maximum open contact voltage	250 V ~
Electrical life	3 x 10 ⁴ (250 Vca / 5 A)
Mechanical life	2 x 10 ⁷
Maximum switching capacity	750 VA

Energy device with embedded PowerStudio technology: Built-in web and XML server, RS-485 Modbus expansion bus, Ethernet 10/100 Base/TX connection, 6 modules mounted on a DIN rail







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Dimensions





