EDS-3G

EDS-3G, Server

Code: M61012. **(CONSULTAR DISPONIBILIDAD)**

> Protocol: Modbus Circutor

> Communications: Ethernet | 3G

> Nº relays: 6

> Digital inputs: 8

Description

The **EDS-3G** is a device that offers the same features as its predecessor, the EDS. The **EDS-3G** features **PowerStudio** Embedded management software, with a web server and Ethernet connection, in addition to a brand-new feature that lets you connect via a built-in 3G router. This new connectivity lets you establish wireless communication with points that have no possibility of having an ADSL connection, in order to access the information stored by the **EDS-3G** or to incorporate it into a superior energy management system, such as **PowerStudio Scada**.

Its most salient features include:

- Parameterisation and management of automatic events
- Alarm recording system and system event management
- E-mail alarms.
- RS-485 port for connecting up to 5 CIRCUTOR devices.
- Ethernet connection
- 3G connection
- Centralisation of alarms through detection of logical states or centralization of consumption by pulses.

Application

Remote application without Internet access: with **EDS-3G** you can control the partial consumption of each of the loads in an installation that is located in a place with difficult access and where it is difficult to provide ADSL connections. Its built-in 3G router enables connection to this equipment.

- Efficient, easy and simple control of the consumption of your remote sites where connection is difficult
- Know the value of leakage currents and the status of earth leakage relays
- Energy reports per consumption zone or site
- Remote alarms for excess consumption or incidents in the electrical network
- No need for a computer

Multi-point application without ADSL connection: In a distribution of loads (or remote installations) without an Internet connection or where a VPN (Virtual Private Network) is not available, the **EDS-3G** lets you control the individual consumption of each of the installations and centralize them in one, using the 3G connection.

- 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.
- Possibility of comparing consumption for each site.
- No need for a computer
- Possibility of connection when specified: the system acts automatically.
- Supervise the level of harmonics and the reactive load of your installation.

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Specifications

AC power supply

Consumption	6-10 VA (CA) / 3-4 W (CC)
Frequency	50 ... 60 Hz
Nominal voltage	85...264 Vca/120...300 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)	0,333

Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	5...95%
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
Type	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	3×10^4 (250 Vca / 5 A)
Mechanical life	2×10^7
Maximum switching capacity	750 VA

Radio communication

Band	UMTS/HSPA - 2100 / 900 Band GSM - 850 / 900 / 1800 / 1900 Band
Technology / Type	3G

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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Connections

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