



## EDS-3G\_Deluxe

EDS-3G\_Deluxe, Servidor

Code: M61022. DESCATALOGADO

- > Protocol: Modbus | XML
- > Generic Modbus: 1
- > Communications: Ethernet | 3G
- > N° 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.



## EDS-3G\_Deluxe

Efficiency Data Server 3G

Code: M61022.

### 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)                      | 0,337                                 |

#### Environmental characteristics

|  |                |
|--|----------------|
| Protection class                         | IP 20          |
| Relative humidity (without condensation) | 5...95%        |
| Operating 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 / Interface | 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              | $3 \times 10^4$ (250 Vca / 5 A) |
| Mechanical life              | $2 \times 10^7$                 |
| Maximum switching capacity   | 750 VA                          |

### Radio communication

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

### EDS-3G

Energy manager with powerStudio and built-in web server

| CODE    | TYPE          |
|---------|---------------|
| M61012. | EDS-3G        |
| M61022. | EDS-3G_Deluxe |

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

