



Line-EDS-iMonitor, Data collection systems. Integrates WEBSITE. Front-end iMonitor

Code: D70021.

> Protocol: Modbus (Circutor + generic) | XML

> Generic Modbus: 1

> Integrated Software: PowerStudio Scada PRO + iMonitor

> Communications: Ethernet | RS-485 | Bus-Line

> Transistor output: 2> Mounting: DIN rail

### Description

The **Line-EDS-PS** is a gateway with PowerStudio embedded. This module, by itself, lets you set up a supervisory and telemanagement (SCADA) system. By using the expansion modules of the line range or any Modbus (TCP or RTU) device on the market, it is able to integrate any process signal that is to be measured.

By programming the device with PowerStudio, you can incorporate any actuating logic for analogue or digital outputs, allowing you to create an automated management system that performs actions based on the input signals.

The device can be connected via cabled (Ethernet). The data displays, screens and reports can be accessed via the PowerStudio client or via a web browser thanks to the integrated web server

The Line-EDS-PS device has three models with different capabilities:



The **PSS** and **PSS PRO** variants offer the ability to program screens and reports, which allows you to have a SCADA system with a single device, without the need for PCs, servers or licences.

## **Application**

The ease of programming in the PowerStudio environment allows a multitude of applications to be quickly integrated. Some possibilities are listed below by way of example:

- Electricity consumption monitoring system with active alarm management by e-mail (cos φ, maximum power, harmonics, etc.), sectorization of consumption, load management, invoice simulation, allocation of production costs, etc.
- o Efficient management of systems through hourly schedules (HVAC, lighting, etc.)
- o Efficient management of HVAC systems by regulating the supply setpoints.
- Control of pumping systems.
- o Monitoring of industrial processes.
- o Management of multipoint consumption (electricity, water, gas, etc.)
- o Analysis of equipment performance (compressed air, HVAC, etc.)







Efficiency Data Server

Code: D70021.

## Specifications

I 300 V 28 VA 60 Hz . 264 V ~  I 300 V 7 W . 300 Vdc  x 118 x 70 (mm) extinguishing V0 plastic sil			
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264 V ~  I 300 V  7 W  . 300 Vdc  x 118 x 70 (mm)  extinguishing V0 plastic			
I 300 V 7 W . 300 Vdc x 118 x 70 (mm) extinguishing V0 plastic			
7 W . 300 Vdc x 118 x 70 (mm) extinguishing V0 plastic			
7 W . 300 Vdc x 118 x 70 (mm) extinguishing V0 plastic			
x 118 x 70 (mm) extinguishing V0 plastic			
x 118 x 70 (mm) extinguishing V0 plastic			
extinguishing V0 plastic			
extinguishing V0 plastic			
ail			
Front: IP40			
5 95%			
-20 +80 °C			
-10 +50 °C			
010-1			
2000			
UNE-EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4, UL 61010-1			
DHCP ON/OFF (ON by default)			
Modbus RTU / Web server - XML			
Ethernet 10 /100 BT			
b			







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Quantity	2		
Туре	Optocoupler (Open-collector)		
Maximum frequency	500 Hz		
Maximum current	120 mA		
Maximum voltage	48Vcc		

### Serial communication

Protocol	Modbus RTU
Technology / Type	RS-485

### Line-EDS-iMonitor

Data collection systems. Integrates WEBSITE.

CODE	TYPE	Integrated Software	Transistor output	Generic Modbus	Communications	Protocol
D70021.	Line-EDS-iMonitor	PowerStudio Scada PRO + Front-end iMonitor	2	1	Ethernet   RS-485   Bus-Line	Modbus (Circutor + generic)   XML

Bus-Line: RS-485 communications system, with lateral side connector between modules







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Connections Dimensions







