

PSC89DEO

Demand controller



Console

5 frontal push-buttons
2 line, 16 character back-lit LCD display, 4.35 mm character height.

Digital Outputs

Quantity: 8
Open collector
Contacts rated: 5 mA @ 24 Vdc
Maximum voltage: 35 Vdc
Status indicator LEDs

Digital Inputs

Quantity: 8
Input impedance: 10 kΩ.

Sensors

- Toroidal transformers:
Quantity: up to three
Type: AC voltage
Measurement range: 0 / 200 A
- Pulses input:
Quantity: 1
Input impedance: 10 kΩ
Type: external dry contact
Measurement range: 0.01 / 99.99 P/Wh.

Serial Port

Type: RS232.
Signals: TX, RX, 0 V
Connector: DB9S.
Speed: 9600 Baud.
Data format: 8 bits, 2 stop bits, no parity.
Bicolor LEDs in TX and RX

Power Supply

18 Vac $\pm 15\%$, 24 Vdc $\pm 15\%$
Power consumption: lower than 20VA

Operating temperature: 0 - 50 °C
Humidity: 0 - 85 % RH non-condensing
DIN rail mount
Weight 460 g

Order Code

PSC89 D E O

Output Type
O = 24V 50mA output.
C = With auxiliary plate.

User Interface
R = Without console.
E = With console.

Mount
P = Pole mount.
D = DIN rail mount.

Rev 1.3

30/11/05

MADE IN URUGUAY

FUNCTION

Programmable demand controller.

DESCRIPTION

The PSC89DEO connects and disconnects loads during user programmable periods. It supervises the demand and limits it to the configured value through load disconnection.

The load disconnection criteria is programmed by the user through priorities.

It has sensor inputs for toroidal transformers or pulses supplied by the electricity meter. The configuration could be done through console or serial port.

OPERATION

The loads are connected and disconnected according to dates, periods and priorities set by the user.

The demand is constantly monitored and if it exceeds the configured maximum limit or the set value of an active period, the controller disconnects loads starting with the ones of lowest priority.

When the power consumption decreases reconnects the loads of highest priority enabled.

During high demand periods, the controller reduces the demand cycling loads of the same priority.

The user sets:

Time setting

Measurement mode: single-phase, three-phase with 2 or 3 sensors, pulses.

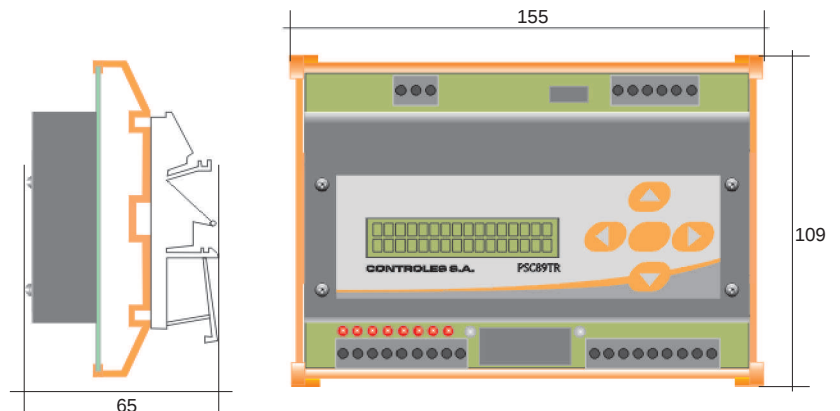
Load operation mode: Automatic, Manual.

Maximum installation limit.

Power limit of up to 10 different time intervals.

Each load priority level.

Month, date, time during the load is active.



Dimensions in mm
Tolerance ± 0.5 mm.

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