PSC89DEC

Demand controller

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

Relay Outputs
Quantity   8
Contacts   C, NC
Contacts rated   2A @ 220 Vac
Status indicator LEDs

Digital Inputs
Quantity   8
Input impedance 10 kW.
External dry contact

Sensors
• Toroidal transformers:
  Quantity: up to three
  Type: AC voltage
  Measurement range: 0 / 200 A
• Pulses input:
  Quantity: 1
  Input impedance: 10 kW
  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 ±15%, 24 Vdc ± 15%
Power consumption: lower than 20VA

Operating temperature: 0 - 50 ºC
Humidity: 0 - 85 % RH non-condensing
DIN rail mount
Weight   650 g

Order Code

PSC89 D E C

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

User Interfase
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 PSC89DEC 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 and 8 output relays for the command of contacts.
The configuration could be done trhough 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
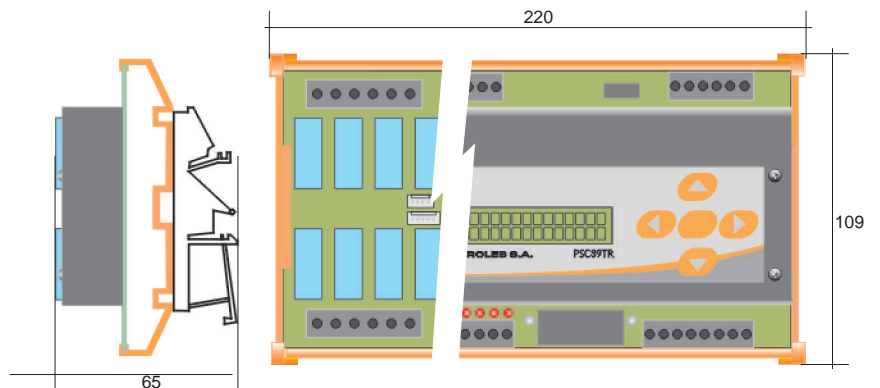Measurement mode: single-phase, three-phase with 2 or 3 sensors, pulses.
Load operation mode: Automatic, Manual.
Maximum installation limit.
Power limit of up to 10 different time intervals.
Each load priority level.
Month, date, time during the load is active.

220

109

65

Dimensions in mm
Tolerance +/- 0.5mm.