



# PSC89DRC

## Demand controller

### Console

External serial terminal.

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

Operating temperature: 0 - 50 °C  
 Humidity: 0 - 85 % RH non-condensing  
 DIN rail mount  
 Weight 570 g

### Order Code

PSC89 D R C

- 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 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 through 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.

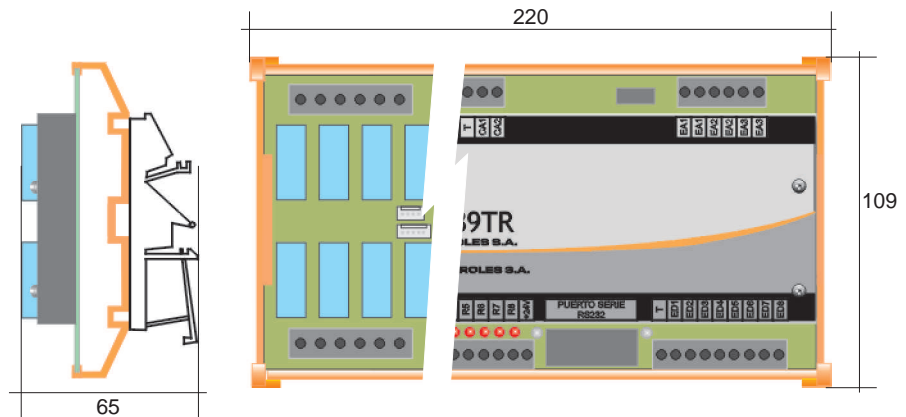
Load operation mode: Automatic, Manual.

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 +/- 0.5mm.