

DC Variable Power Supply

REOTRON SMP 24/100 AND 24/200

Panel mounting version (IP 20)



Stepless, variable power supply (0...24 VDC)

Current, voltage or power regulation

External set-point source options 0-10V, 4-20mA, Pot

Serial interfaces: RS 232, INTERBUS-S, PROFIBUS-DP

LED-Display and keypad for parameter set-up and local control

Applications:

Heating

Steam generation

Vacuum coating

Electroplating

Cathodic protection

Electro-chlorination

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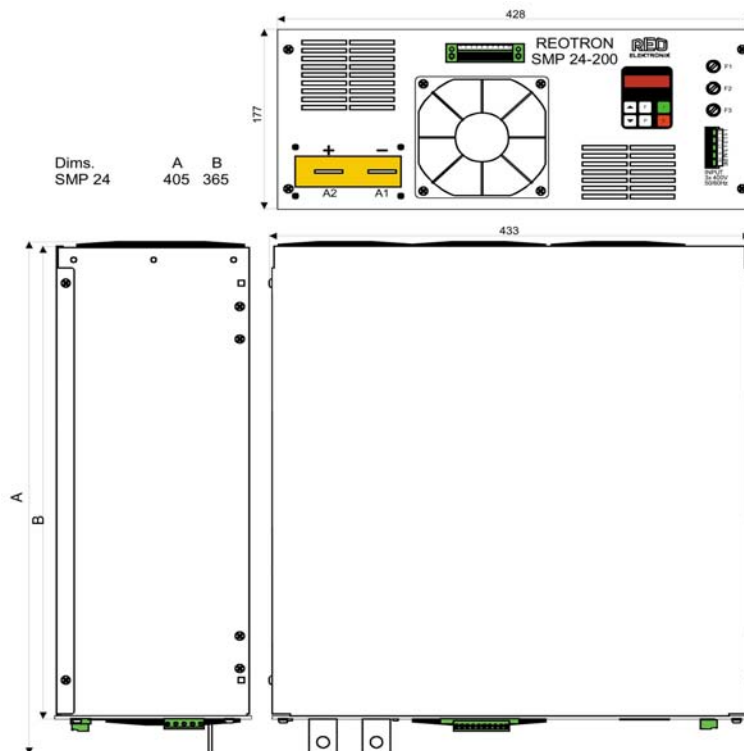
The Reotron SMP range of controllers are compact power supply's that are designed for use in technically advanced equipment. They operate on the switch-mode principle using pulse-width modulation. Micro-processor technology is used in the electronic control system. Effective values are electrically isolated, measured and fed back to the control electronics. They are also isolated from the mains supply and earth.

Set-point signals are required for current, voltage or power, whilst control signals have to be provided for switching the controller ON and OFF.

Effective values and status information such as ready or status codes are indicated.

The Power supply can be controlled through a serial bus interface or by using the local keypad. INTERBUS-S, PROFIBUS-DP and RS 232 interfaces are all available. The mains supply is connected using screw terminals and there are bus-bar terminations for the output.

Unit type	REOTRON SMP 24-100	REOTRON SMP 24-200
Input voltage [V]	3 x 400, +/- 10%	
Input frequency [Hz]	50 / 60	
Unit output power [W]	2400	4800
Output current [A]	0...100	0...200
Output voltage [V dc]	0...24	
Ripple [mV]	+/- 200	
Set point	0... +10 V, DC, 0(4)...20 mA, Potentiometer 10 kOhm	
Enable	24 V, DC or Contact	
Efficiency	> 85 %	
Power factor	0.95	
Protection	19" IP 40	
Operating temperature	0...+45 °C	
Storage temperature	-20...+70 °C	



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