

DC Variable Power Supply
REOTRON SMP 150 / 50
Panel mounting version (IP 20)



- Stepless, variable power supply (0...50 VDC) or (0...150 AC)
- Current, voltage or power regulation
- Internal set-point source
- Integrated MCB
- Serial interfaces: RS 232, INTERBUS-S, PROFIBUS-DP
- LED-Display and keypad for parameter set-up

Applications:

- Heating
- Steam generation
- Vacuum coating
- Electroplating
- Cathodic protection
- Electro-chlorination

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REOTRON SMP 150 / 50

The REOTRON SMP 150/50 controller is a compact power supply that is designed for use in technically advanced equipment. The unit is especially suitable for applications which require an arc to be struck and there is the possibility to connect a pre-resistor to provide stabilisation.

The power supply operates on the switch-mode principle using pulse-width modulation. Microprocessor technology is used in the electronic control system. Effective values are electrically isolated, measured and fed back to the control electronics. The unit is also isolated from the mains supply and earth.

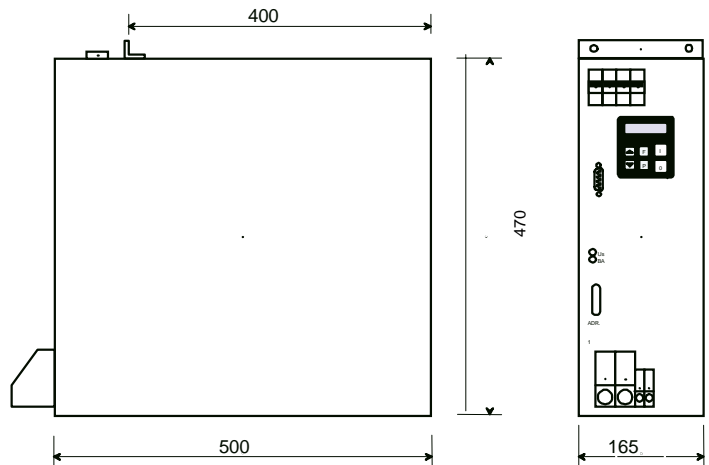
Set-point signals are required for current, voltage or power, whilst control signals have to be provided for switching the controller and pre-resistor ON and OFF. and

Effective values and status information such as ready or fault (error code) 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 connection is made at the top of the unit and output connections at the bottom.

The unit is provided with a MCB and EMC filter.

Type	REOTRON SMP 150/50
Supply voltage:	3 x 400 V, $\pm 10\%$ 50/60 Hz
Internal switching frequency:	100 kHz
Output voltage:	0...50 V, DC
Output current:	0...150 A, DC
Ambient temperature range:	0...+40 °C



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