

3-Phase SCR Power Controller

REOTRON MDW 700

Control Cabinet – Version (IP 20)



- Switchable between phase angle control and full wave control up to 3 x 200 A
- Current, voltage or power controlling
- Interface: RS 232, INTERBUS-S or PROFIBUS-DP (option)
- Internal or external set point input
- With integrated semiconductor fuses
- Actual value feedback: current, voltage or power
- Operation by LED-display and keys

Applications:

- Industrial heater
- Evaporator
- Illumination
- IR- radiator (dryer)
- UV-radiator
- Fan driver
- Crystal growth technology

REOTRON 3-phase thyristor power controllers are microprocessor based units for controlling the power to resistive and inductive loads.

The inverse parallel connected (SCR) thyristors operate as contact free, power controllers using the phase angle control or the full wave principle.

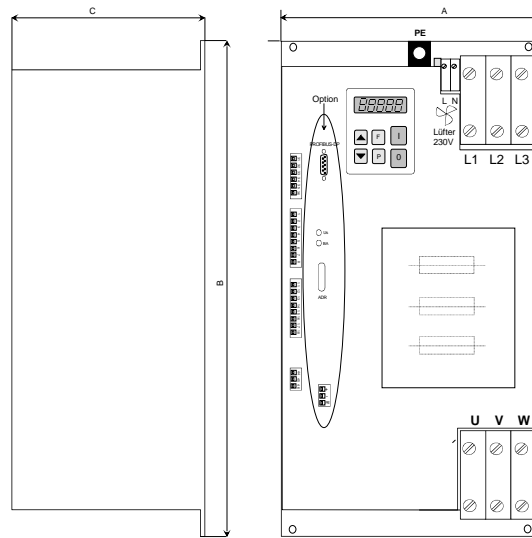
In the phase angle control mode the equipment can be used as a voltage or current regulator and also there is an option for power regulation.

The set point value for the current and voltage can be provided by an external signal. The effective value is fed back internally from a voltage or current transformer. The maximum current limit of the unit cannot be exceeded in all regulation modes.

Alternatively, the unit can be operated remotely through an INTERBUS, PROFIBUS or RS 232 interface. The feedback signals (voltage, current, power) and the unit status, ready or fault, is fed back from outputs.

For units with more than 50A a forced air cooling system is available.

type REOTRON MDW 700	input- voltage [V]	output- voltage [V]	output- current [A]
MDW 700-10	3 x 230...400 ± 10 % 50/60 Hz	3 x 0...Ue-3 V	3 x 0...10
MDW 700-25			3 x 0...25
MDW 700-50			3 x 0...50
MDW 700-80			3 x 0...80
MDW 700-110			3 x 0...110
MDW 700-150			3 x 0...150
MDW 700-200			3 x 0...200
load:	resistive/resistive-inductive, with transformer load, max. induction 1,45 Tesla		
set point 1/2:	internal by display external 0...+10 V, DC 0(4)...20 mA, potentiometer 10 kΩ		
output 1/2 actual value:	current and voltage 0...10 V, DC		
external actual value:	0...5 V, DC		
controller:	PI-controller adjustable P-characteristic		
enable:	24 V, DC or contact		
2 x status relay:	change over contact 250 V, 1 A		
operating temperature:	0...+45 °C		
protection:	IP 20		



Type	a [mm]	b [mm]	c [mm]
MDW 10	160	290	205
MDW 25	160	290	205
MDW 50	255	320	205
MDW 80	255	320	205
MDW 110	255	430	210
MDW 200	255	430	210
MDW 300	255	430	210

REO-USA, Inc.

3250 North Post Road, Suite #132
Indianapolis, IN 46226
Phone (317) 899-1395
Fax (317) 899-1396
www.reo-usa.com
email: info@reo-usa.com

