

REO

REO-USA

1-Phase SCR Power Controller

REOTRON MEW 700

Control Cabinet-Version (IP 20)



- Switchable between phase angle control and full wave control up to 300 amps
- Current, voltage or power controlling
- Interface: RS232, INTERBUS-S- or PROFIBUS-DP coupling (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

1- Phase Thyristor Power Controller

REOTRON MEW 700

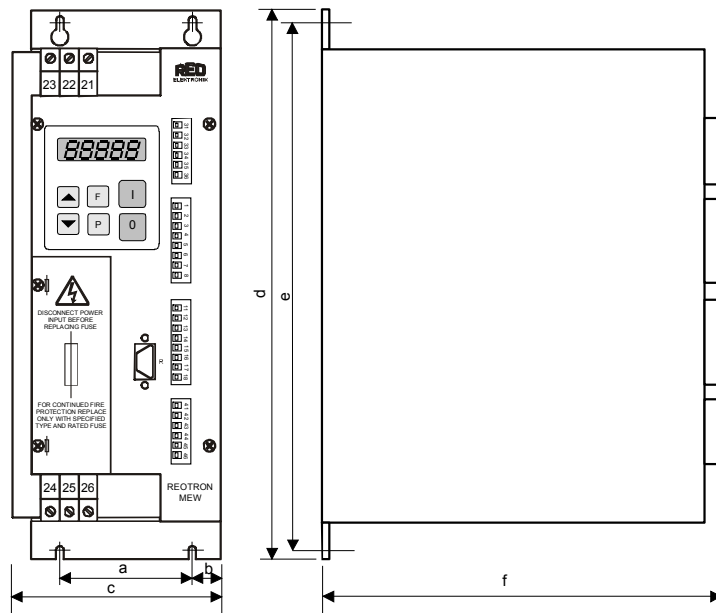
REOTRON 1-phase thyristor power controllers are microprocessor based units for controlling the power to resistive and inductive loads.

The inverse parallel connected 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 operate 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.

type REOTRON	input-voltage [V]	output-voltage [V]	output-current [A]
MEW 700/10	230...400 ± 10 % 50/60 Hz	0...Ue-3V	10
MEW 700/25			25
MEW 700/50			50
MEW 700/80			80
MEW 700/110			110
MEW 700/150			150
MEW 700/200			200
MEW 700/300	300		
load:	resistive/resistive-inductive, with transformer-load, max. induction 1,45 Tesla		
set point 1/2:	internal via 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]	d [mm]	e [mm]	f [mm]
MEW 10	30	10	70	205	193	154
MEW 25	30	10	70	205	193	192
MEW 50	70	15	110	290	280	215
MEW 80	60	30	150	320	304	215
MEW 110	90	30	180	320	304	215
MEW 200	180	12	204	430	415	250
MEW 300	180	12	204	430	415	250

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

