

Single-phase thyristor power regulator

REOTRON MEW 700

Panel mounting version (IP 20)



- Switchable for phase-angle or burst-fire control up to 300 A
- Current, voltage or power regulation
- Interfaces: RS232, INTERBUS-S or PROFIBUS (Optional)
- Internal or external set-point source
- With integrated semiconductor fuses
- Effective value feedback: current, voltage or power
- LED display and keypad for setting up parameters

Applications:

- Industrial ovens
- Steam generators
- Lighting systems
- Infra-red dryers
- Pre-heating equipment
- Heating and ventilating equipment
- Heating tunnels

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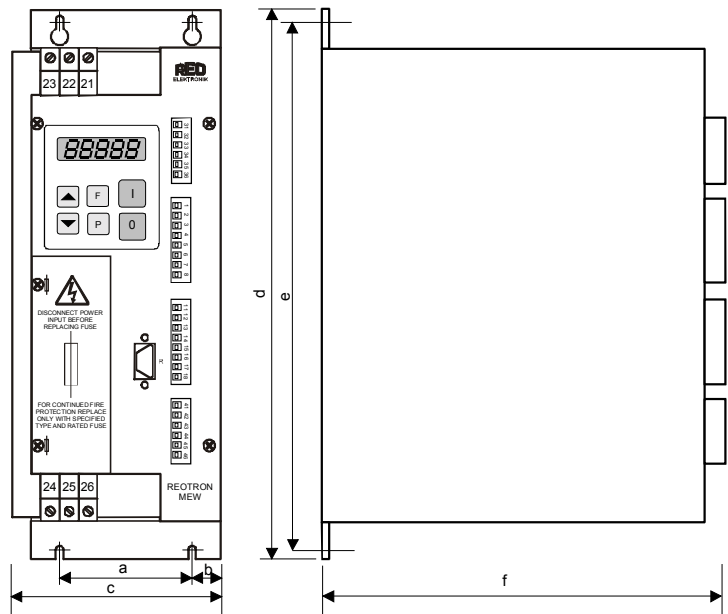
REOTRON MEW 700

REOTRON MEW series, single-phase, microprocessor controlled, thyristor regulators are suitable for resistive or resistive/inductive loads, especially those with a high R_{cold} / R_{warm} coefficient. Status relays indicate unit ready and fault conditions.

Depending on settings, the controller normally operates on the phase-angle principle (standard setting). It can also be used in a burst-fire mode. In phase-angle control mode the unit works as a current, voltage or power regulator. The proportional regulation adjustment is variable.

External set-point signals can be used for controlling current, voltage and power or potentiometers may be used instead. A serial RS232, INTERBUS-S or PROFIBUS-DP field bus interface can be used for remote adjustment. All unit settings can be made through the controller's front-panel, using a LED display and keypad.

Type	Input voltage [V]	Output voltage [V]	Output current [A]
REOTRON			
MEW 700/10	230...400 ± 10 % 50/60 Hz	0...U _e -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 maximum inductance 1,45 Tesla		
Set point 1 & 2:	Internal using display external 0...+10 V, DC 0(4)...20 mA, potentiometer 10 kΩ		
Output 1 & 2 effective value:	Current and voltage 0...10 V, DC		
External effective value:	0...5 V, DC		
Regulator:	PI Regulation with adjustable P characteristic		
Enable:	24 V, DC or contact		
2 x status relays:	Changeover contacts 250 V, 1 A		
Operating temp.:	0...+ 45 °C		
Construction:	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

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Subject to technical modifications without prior notification.