

7/9-channel power controller TR604M

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TR604M is a 7 or 9-channel 3-phase microprocessor based power controller working on principle of phase control of main voltage. It is suitable for heating through infra-red lamps or for applications without feedback from the process. Setpoint is maintained by measuring and compensating disturbance of main voltage and ambient temperature.

Main features

☞ 9- channels control

TR604M allows control of 9 fully independent channels.

☞ Maintain constant output power

After measuring voltage level on all 3 phases TR604M corrects output voltage in order to the output power stays constant.

☞ Compensate variations in ambient temperature

The controller has an internal sensor for measuring ambient temperature. By setting a temperature coefficient it is possible to

correct the influence of the ambient temperature over the process.

☞ 220VAC analog inputs

The analog inputs on TR604M are connected directly to main voltage without external convertors.

☞ Set-up of output phase

Each output is set-up on which phase is attached.

☞ Separate display and push-buttons on 6 channels

This allows simultaneous monitoring of setpoint on 6 channels of TR604M.

☞ Easy to set-up and configure

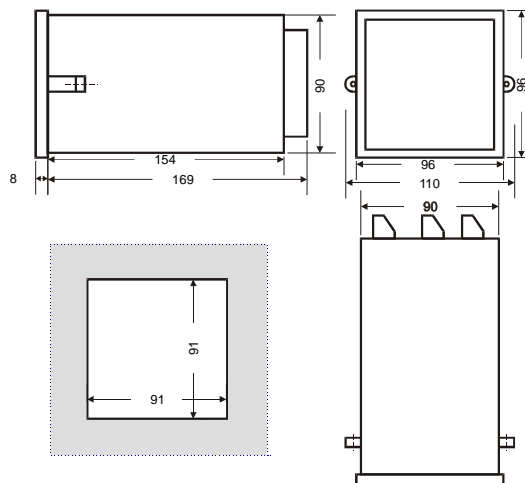
The setpoints are set-up by two buttons on each channel. All parameters are stored in non-volatile EEPROM memory.

☞ Universal power supply

The switch-mode power supply works over a wide range of input voltage and is protected from short-duration input peaks.

The TR604M is designed to control blowing machines for PET bottles.

Dimensions.



TECHNICAL SPECIFICATIONS

Main characteristics:

Power supply	100 – 250 VAC / 5 VA
Dimensions (ш, в, д)	96x96x177 мм
Mounting hole	91x91 мм ±1мм
Protections:	
- Front panel	IP54
- Other parts	IP40
Operating conditions	0 – 60 °C / 0 – 70 % RH no humidity
Storage conditions	-20 – 80 °C / 0 – 95 % RH

Inputs:

Voltage	3x220 VAC
Range	150 – 240 VAC
Frequency	50 Hz ±1%
Base error	1%
Temperature error	0,1%/°C
Measurement time	0,2s
Digital filter	13Hz
Input isolation	500VAC

Outputs:

Triac	1A / 220VAC for 100µs
Group	No
Output isolation	500VAC

Control:

Output reaction	0,2s
Output error	2%
Synchronization	With phase R
Temperature coefficient	0...999

Ordering info:

TR604M-

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1. Number of channels.

- **9** – 9 channels;
- **blank** – 7 channels.