

# ELECTRONIC THREE-PHASE ELECTRIC POWER AND TEMPERATURE CONTROLLER KM-RD6012-K

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Electronic microprocessor-controlled three-phase electric power and temperature controller for sophisticated assignment of tasks in the heating of machines, constructions and processes. For the common connection of load and sensor via multi-pole wall socket.

Due to the connection at the 10 + PE pol. Sockets can be both three-phase heaters in star and in delta connection, as well as 1 and 2 phase heaters in 230V as well as in 400V.

The three signal lamps indicate that voltage is present on all 3 phases as soon as the controller is in heating mode. A potential-free NC contact can be used to provide alarm messages for higher-level controls.

## FEATURES

- Solid desk and wall housing with clear lens cover
- Very flexible due to PID control and self-optimization
- Two displays of the target and actual value
- 2-pole illuminated main switch for regulation
- Operation via function keys
- Settings via a parameter level
- Input: Pt 100, Pt 1000 or thermocouple
- Freely adjustable temperature range of 0 – 1200 °C, depending on the type of sensor

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## TECHNICAL DATA

Nominal voltage	230/400 VAC
Switching capacity	3 x 3650 W
Load and sensor connection	10 pol socket
Alarm contact	potential-free NC contact: max. 230V AC1, 3A run on terminals and accessible via a cable gland
Sensor input	Pt 100, Pt1000 or thermocouple and others
Temperature range	0 – 1200 °C depending on the type of sensor
Control accuracy	0.4/1,0%
Control behavior	PID
Switch output	Three-pole mini contactor
Special attachment	Ramp- and timer-function
Protection class	I
Protection type	IP 65
Operating temperature	-5...+50 °C
Power cord	3.0 m with CEE-plug 16 A
Dimensions/material	264 x 141 x 234 x mm (W x H x D) ABS and PC with transparent cover

