



### Electronic Temperature Regulator



RD1001 / RD1011



RD1002



RD1012

#### Description:

Electronic microprocessor controlled temperature regulator for demanding task formulations in the heating of machines, systems and processes. The user has the choice between direct clamp connection or a joint connection of power consuming device and sensor over a multiple electrical outlet. The case can be easily changed.

#### Features

- stable table and wall casing with clear lid
- very flexible through PID self-optimization
- two displays to indicate the set point and the desired value
- 2-pole illuminated main switch
- operation over function keys
- settings over the parameter level
- input : Pt-100 or thermocouples
- freely adjustable temperature range between 0 – 1200°C
- switching capacity up to 16 A possible

## Technical Data

## MIL-RD1000

Nominal Voltage	230 V AC
Switching Capacity	see Order Sizes
Power consuming device and Sensor connection	see Order Sizes
Sensor Input	Pt 100 or Thermocouples
Temperature Range	0 – 1200°C
Regulator Precision	0,5 %
Regulator Conduct	PID
Protection Class	I
Protection Type	IP 65
Operational Temperature	0 – 50°C
Mains Connection Cable	1,5 m with two-pin grounded plug
Dimensions	166 x 160 x 134 mm (W x H x D)

## Order Sizes

Type	Power consuming device and sensor connection	Switching Capacity W	Article No.
MIL-RD1001	Screw Terminals	2300	61001001
MIL-RD1011	Screw Terminals	3650	61001011
MIL-RD1002	Multipole Plug	2300	61001002
MIL-RD1012	Multipole Plug	3650	61001012

Further industry regulators or capillary tube thermostats deliverable on request

## Accessories

Module	Type KM-AX4	Article No. 61001320
Pt-100 Sensor or Plug	Type MIL-PT	Sheath Element V2A up to 250°C Ø 4 x 50 mm, Connection 2000 mm Article No. 62000123
NiCr-Ni Sensor or Plug	Type MIL-TNF	Flat Sensor up to 400°C 2,5 x 9,2 x 400 mm, Connection 1500 mm Article No. 98102002
NiCr-Ni Sensor or Plug	Type MIL-TNS	Rod Sensor of Inconel 600 up to 1200°C 1,5 x 300 mm, Connection 1000 mm Article No. 98102003
Other sensor types on request		



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