



Electronic Temperature Regulator-Limiter Combination



RD3011



RD3012

Description:

Electronic microprocessor controlled temperature regulator and limiter 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. An alarm contact for the limiter can be switched on optionally.

Features

- Temperature regulator and limiter in one casing
- 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-RD3000

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
Nominal Voltage	1,5 m with two-pin grounded plug
Dimensions RD3011	198 x 212 x 162 mm (W x H x D)
Dimensions RD3012	165 x 160 x 135 mm (W x H x D)

Order Sizes

Type	Power consuming device and sensor connection	Switching Capacity W	Article No.
MIL-RD3011	Screw Terminals	3650	61003011
MIL-RD3012	Multipole Plug	3650	61003012

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 bis 250°C Ø 4 x 50 mm, Connection 2000 mm Article No. 62000123
NiCr-Ni Sensor or Plug	Type MIL-TNF	Flat Sensor bis 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 bis 1200°C 1,5 x 300 mm, Connection 1000 mm Article No. 98102003
Other sensor types on request		



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