



ISOHEAT®



High Tech Engineering

Regulator- and Limiter combination series MIL-RD3000

Description:

Electronic microprocessor-controlled temperature regulator combination for regulating and limiting for demanding heat applications of machines, pumps, pipes and containers. The user has the choice between a direct terminal connection or a combined connection for heating and sensor through a multipin socket. The transparent lid protects against unintentional adjustment of the temperature setting.



Features:

- compact table- and wall housing with transparent lid
- temperature regulators and limiter in one housing
- PID characteristic
- 2-pole illuminated main switch
- two displays each to indicate nominal and actual value
- operable with function keys
- adjustment through parameter level
- Sensor input: Pt-100 or thermocouple
- free adjustable temperature range 0 - 1200°C
- Switching capacity up to 16 A
- permanent deactivation in case of excessive temperatures

Technical specification

MIL-RD3000

nominal voltage	230 V AC
switching capacity	3650 W
load and sensor connection	see ordering details
sensor input	Pt 100 (2-wire) or thermocouple
temperature range	0 - 1200°C
control accuracy	0,5 %
control behaviour	PID
protection class	I
system of protection	IP 65
operation temperature	0 - 50°C
power supply cable	2,5 m long with Schuko-plug
dimension MIL-RD3011	198 x 212 x 162 x mm
dimension MIL-RD3012	165 x 160 x 135 x mm

Ordering details

type	load and sensor connection by	switching capacity W	switching current A	part.-no.
MIL-RD3011	terminals	3650	16	61003011
MIL-RD3012	multipolar plug	3650	16	61003012

Temperature sensors

sensor	type	technical specification	part.-no.
PT-100	MIL-TC-PT	sheath element V2A up to 250°C, Ø 3,5 x 50 mm, connection cable 2 m long	62000100
PT-100	MIL-TP2 2-Leiter	sheath element V2A up to 400°C, Ø 4 x 50 mm, connection cable 2 m long	62000120
NiCr-Ni	MIL-TNS	rod sensor out of Inconell up to 1200°C, Ø 1,5 x 300 mm, connection cable 2 m long	62000200

Temperature sensors with other dimensions – available on request

We supply a full range of electronic temperature regulators



Electronical temperature regulator series MIL-EC200



Electronical temperature regulator series MIL-RD1000



Electronical double regulator series MIL-RD2000



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