

Temperature regulator- limiter combination series HM-RD3000



Description:

Electronic microprocessor-controlled temperature regulator and limiter for demanding functions for the heating of machines, systems and processes. The user has the choice between direct clamp connections or a common multi-pole plug for heating and thermocouple. An alarm contact for the limiter can be optionally switched.

Features:

- temperature regulators and limiter in one case
- stable table- und wall housing with transparent cover
- very flexible by PID-optimisation
- two displays for shown set and actual temperature value
- 2-pole main switch illuminated
- operation via press function-key
- switching power up to 16 A
- parameter level settings
- input sensors: PT-100 or thermocouple
- temperature range 0 to 1200°C
- changeable controller modul
- regulator deactivate at too high temperature

Technical data

HM-RD3000

nominal voltage	230 V AC - 50/60 Hz
nominal current	16 A
switching power	3650 W
sensor input	PT-100 or thermocouple
temperature range	0 - 1200°C
accuracy	0,5 %
data security	EEPROM
EMV compatibility	EN 61326
protection class	I
system of protection	IP 65
ambient temperature	0 - 50°C
main cable	2,5 m with standard plug
dimension HM-RD3011	198 x 212 x 162 x mm (w x h x d)
dimension HM-RD3012	165 x 160 x 135 x mm (w x h x d)

Order data

type	heating and sensor connection	switching power W	order-no.
HM-RD3011	screw clamps	3650	61003011
HM-RD3012	multi-pole Plug	3650	61003012

Accessories

temperature sensors	type	technical data	order-no.
PT-100	HM-TP2 2-wire	sheath element V2A up to 500°C Ø 4 x 50 mm, wire length 2000 mm	62000120
PT-100	HM-TP4 4-wire	sheath element V2A up to 500°C Ø 4 x 50 mm, wire length 2000 mm	62000140
NiCr-Ni	HM-TNS	bulb sensor Inconel up to 1200°C, Ø 1,5 x 300 mm, wire length 2000 mm	62000200
controller modul	HM-ST48		61001200

Other sensors on request



Temperature regulator
HM-EC210



Elektronik temperature
regulator series HM-RD1000



Double temperature regulator
series HM-RD2000



Exi regulator limiter
combination HM-RD4011

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