

## Double-temperature regulator series HM-RD 2000



### Description:

Two electronic microprocessor controlled temperature regulator 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.

### Features:

- two temperature regulators together 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
- parameter level settings
- input sensors: PT-100 or thermocouple
- temperature range 0 to 1200°C
- switching power up to 16 A
- changeable controller modul

## Technical data

## HM-RD 2000

|                      |                                  |
|----------------------|----------------------------------|
| nominal voltage      | 230 V AC                         |
| 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-RD 2011 | 198 x 212 x 162 x mm (w x h x d) |
| dimension HM-RD 2012 | 165 x 160 x 135 x mm (w x h x d) |

## Order data

| type      | heating and sensor connection | switching power W | switching voltage A | order-no. |
|-----------|-------------------------------|-------------------|---------------------|-----------|
| HM-RD2011 | screw clamps                  | 3650              | 16                  | 61002011  |
| HM-RD2012 | multi-pole Plug               | 3650              | 16                  | 61002012  |

## Accessories

| temperature sensors | type             | technical data   | order-no. |
|---------------------|------------------|--|-----------|
| PT-100              | HM-TP2<br>2-wire | sheath element V2A up to 500°C<br>Ø 4 x 50 mm, wire length 2000 mm       | 62000120  |
| PT-100              | HM-TP4<br>4-wire | sheath element V2A up to 500°C<br>Ø 4 x 50 mm, wire length 2000 mm       | 62000140  |
| NiCr-Ni             | HM-TNS           | bulb sensor Inconel up to 1200°C,<br>Ø 1,5 x 300 mm, wire length 2000 mm | 62000200  |
| controller modul    | HM-S T48         |  | 61001200  |

Other temperature sensors on request



Temperature regulator  
HM-EC 210



Double temperature  
regulator HM-RD 2000



Regulator- and limiter-  
combination HM-RD 3000



EExi-Regulator combination  
HM-RD 4011

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