

## Data Sheet JET-110 R

Article number: JA045100

Temperature controller, wall mounting, -35...+30 °C, hysteresis adjustable 2...20 K, external setting

Temperature control or monitoring in the industrial sector in non-aggressive environments, e.g. for controlling heating or air conditioning systems in greenhouses, industrial, sports and air domes, cold storage and deep-freeze rooms.



|                             |                 |
|-----------------------------|-----------------|
| Number of outputs           | 2               |
| Number of control ranges    | 1               |
| Output signal               | switching       |
| External setting            | Yes             |
| Operation                   | rotary knob     |
| Rated impulse voltage       | 4000 V          |
| Electric connection         | screw terminals |
| Electronic control          | No              |
| With explosion protection   | No              |
| Colour                      | grey            |
| RAL colour number (similar) | 7016/7035       |

|   |                                |
|---|--------------------------------|
| Sensor element                            | capillary tube                 |
| Function type (systems engineering)       | TR                             |
| Device version                            | surface-mounted unit           |
| Internal setting                          | No                             |
| Bearing temperature                       | -35 ... 35 °C                  |
| Max. air humidity (non-condensing)        | 95 % r.H.                      |
| Sensor material                           | Cu (capillaries made from V2A) |
| Housing material                          | plastic                        |
| Max. Sensor temperature                   | 35 °C                          |
| Max. switching voltage                    | 230 VAC, 50 Hz                 |
| Max. switching current                    | 15 (8) A                       |
| Mechanical range reduction                | Yes                            |
| Medium                                    | Air                            |
| Min. switching voltage                    | 24 VAC, 50 Hz                  |
| Min. switching current                    | 150 mA                         |
| Mounting/attachment                       | wall mounting                  |
| Surface finish                            | matt                           |
| Control range                             | -35 ... 35 °C                  |
| Heating control function                  | Yes                            |
| Cooling control function                  | Yes                            |
| Switching difference, can be adjusted     | Yes                            |
| Switching differential adjustable from to | 2 ... 20 K                     |

|                                  |                                 |
|----------------------------------|---------------------------------|
| Switching element                | microswitch                     |
| Switching contact                | two-way contact                 |
| Potential free switching contact | Yes                             |
| Switching power                  | 3450 W                          |
| Protection class                 | IP65                            |
| Protection class                 | I                               |
| Safety and EMC                   | in accordance with DIN EN 60730 |
| Scale                            | Degree Celsius                  |
| Ambient temperature              | -35 ... 35 °C                   |
| Degree of contamination          | 2                               |
| Dimensions (W x H x D)           | 71 mm x 165 mm x 83 mm          |

