

- Compact design
- 16A/230V switching capacity
- Cross section 4/6mm²
- 4mm sensor diameter
- Resistant against chemical influences
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Description

The Ex-Temperature Controller devices of the IR2M-Series are mechanical 2-point capillary temperature controller. The black glass-fibre-reinforced polyester enclosure is very rugged and is used as a connector for single core heating cables as well as self-limiting heating cables. This controller can handle a switching capacity of 16A directly. When exceeding the adjusted temperature, the controller switches off.



Technical Data

Min. ambient temperature: -40°C
(-55°C on request)
Switching capacity: 16A/230V
(16A/400V and 25A/230V on request)
Temperature class: T6 at +50°C

Marking

 II 2G Ex ed IIC T6
 II 2D Ex tb IIIC T=80°C IP65

Approval

EPS 09 ATEX 1237

Further Information

Please consult the installation instructions!

Ordering Information

Part number:

IR2M0120Ex: Temperature Range:
0...+120°C

IR2M0200Ex: Temperature Range:
0...+200°C

IR2M50300Ex: Temperature Range:
+50...+300°C

IR2M140500Ex: Temperature Range:
+140...+500°C

Other temperature ranges on request.

Standard Versions

Technical Data

IR2M...EX	0120	0200	50300	140500
Rating Voltage (VAC)	230	230	230	230
Switching cap. (cos φ = 1) (A)	16	16	16	16
Switching Difference (%) of full scale value	7	7	7	7
Max. Sensor Temperature (°C)	138	225	325	525
Protection Class	IP65	IP65	IP65	IP65
Capillary Tube Length (mm)	1000	1000	1000	1000
Capillary Diameter (mm)	4	4	4	4
Dimensions l*w*h (mm)	122x120x90	122x120x90	122x120x90	122x120x90
Cable Glands M20/M25	1/1	1/1	1/1	1/1
Clamping Zone M20/M25 (mm)	6-13/7-17	6-13/7-17	6-13/7-17	6-13/7-17
Cross Section (mm ²)	4/6	4/6	4/6	4/6
Weight (kg)	1,2	1,2	1,2	1,2

Wiring Diagram

