

- Robust design, IP66
- 25A/250V switching capacity
- 2.5mm² spring clamp terminals
- 5.8mm diameter stainless steel bulb
- 1,5m long stainless steel capillary
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Description

The IRM Ex d-Series Temperature Controllers are mechanical 2-point capillary tube type thermostats.

The epoxy painted die-cast aluminium enclosure is very robust for harsh environments and can be used for direct connection of heating circuits with approved cable glands.

This temperature controller can be used for direct switching by the n/c contact up to 25A. The temperature set point is fully adjustable; the n/c contact opening on temperature rise. Standard colour is cream-white RAL 9010 but other colour finishes are available upon request.



Technical Data

Min. ambient temperature:	-40°C
(-55°C on request)	
Switching capacity:	25A/250V
(16A/400V on request)	
Temperature class:	T6 at +55°C

Marking

 II 2G Ex db IIC T6

Approval

ATEX, TC-RU

Further Information

Please consult the installation instructions!

Ordering Information

Part number:	
IRM040Exd:	Temperature Range: 0...+40°C
IRM0200Exd:	Temperature Range: 0...+200°C
IRM50320Exd:	Temperature Range: +50...+320°C

Other temperature ranges on request.

Standard Versions

Technical Data

IRM...Exd	040	0200	50320
Voltage Rating (VAC)	250	250	250
Switching cap. (cos φ = 1) (A)	25	25	25
Switching Difference (K)	Ca.3	Ca.5	Ca.7
Max. Sensor Temperature (°C)	45	230	350
Protection Class	IP66	IP66	IP66
Capillary Tube Length (mm)	1500	1500	1500
Sensor Bulb Dimensions (mm)	126L x 5.8ø	179L x 3.0ø	179L x 3.0ø
Enclosure Dimensions overall l*w*h (mm) (110mm ø)	145x126x107	145x126x107	145x126x107
Fixing crs (mm)	7.0ø x 126	7.0ø x 126	7.0ø x 126
Cable Glands M20	2	2	2
Cable Gland Seal ø (mm)	6-12	6-12	6-12
Spring Clamp Terminal (mm²)	2.5	2.5	2.5
Approx. Weight (kg)	1.3	1.3	1.3

Typical Wiring Diagram

