

Ex d mechanical temperature controller for use in hazardous area.

Mechanical Controller Ex d



- Robust design, IP66
- 25A/250V switching capacity
- 2.5mm<sup>2</sup> spring clamp terminals
- 5.8mm diameter stainless steel bulb
- 1.5m long capillary tube

## Description

The IRM Ex d-Series temperature controllers are mechanical 2-point capillary tube line-sensing 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 upon request)	
Switching Capacity:	25A/250V AC
(16A/ 400V AC upon request)	
Temperature Class:	T6 at +55°C
Protection Class:	IP66

## Marking

-  II 2G Ex db eb IIB T6 Gb
-  II 2D Ex tb eb IIIB T120°C Db IP66

## Approval

ATEX, EAC

## 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

Further temperature ranges available upon request.

## Standard Versions

### Technical Data

IRM...Exd	040	0200	50320
Voltage Rating (V AC)	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 (in mm)	1500	1500	1500
Sensor Bulb Dimensions (in mm)	126 x 5.8ø	179 x 3.0ø	179 x 3.0ø
Enclosure Dimensions overall (LxWxH in mm) (110mm ø)	145x126x107	145x126x107	145x126x107
Fixing crs (in mm)	7.0ø x 126	7.0ø x 126	7.0ø x 126
Cable Glands M20	2	2	2
Cable Gland Seal ø (in mm)	6-12	6-12	6-12
Spring Clamp Terminal (in mm <sup>2</sup> )	2.5	2.5	2.5
Approximate Weight (in kg)	1.3	1.3	1.3

### Typical Wiring Diagram

