

# IRM...Ex

Mechanical capillary tube thermostat for use in hazardous area.

## Mechanical Controller Ex

- Compact design
- Switching capacity 16A
- Protection class IP65
- 4mm sensor diameter
- Resistant against aggressive environment
- 

### Description

The Ex- controller of the IRM-Series are mechanical 2-point capillary - temperature controller. The black glass-fibre reinforced polyester enclosure is very rugged and serves as a connector for self-limiting heating tapes and single core heating cables. The controller of the IRM-Series have a high switching capacity of 16A. When exceeding the set temperature the controller switches off.



### Specification



IRM...Ex	0120	0200	50300
Temperature range (°C)	0..120	0..200	50..300
Rating Voltage (VAC)	250	250	250
Rating Current (A)	16	16	16
Switching difference (K)	ca. 3,5	ca.10	ca.12,5
max. sensor temperature(°C)	130	230	345
Protection class	IP65	IP65	IP65
Capillary tube length (mm)	1000	1000	1000
Sensor dimensions d*I (mm)	4,0/147	4,0/125	4,0/100
Dimensions l*b*h (mm)	122x120 x90	122x120 x90	122x120 x90
Glands M25	1x	1x	1x
Glands M20	1x	1x	1x
Cross section (mm <sup>2</sup> )	4	4	4
Weight (kg)	1,2	1,2	1,2

### Order information

Part number:  
IRM0120Ex: 0°C..+120°C  
IRM0200Ex: 0°C..+200°C  
IRM50300Ex: +50°C..+300°C

Other temperature ranges:  
IRM-2050Ex: -20°C..+50°C  
IRM20500Ex: +20°C..+500°C

### Marking

 II 2G Ex ed IIC T6  
 II 2D Ex tD A21 IP65 T=80°C

### Approval

EPS 09 ATEX 1237

### Further information

Please consult the installation instructions!

