

# IRM1Ex / IRM2Ex

Mechanical mini-thermostat for frost-protection applications, molded in a M20 cable gland. For use in hazardous area.



Mechanical Controller Ex



- Compact design
- High switching capacity
- Protection class IP68
- Narrow switching hysteresis
- Different temperature ranges available

## Description

The IRM2Ex is a mechanical bimetal thermostat. Because of the compact design and the high switching capacity it is well suited for frost protection applications with heating tapes as well as heating plates.

The thermostat is molded in a M20x1,5 cable gland and can be fitted in a junction box with ignition protection class Ex e.

Other temperature ranges are available on request.



## Technical Data

Rated Voltage:	250V AC
Switching Contact:	1 NC 16A / 250V AC
Switching Points:	4°C On / 11°C Off
Temperature Class:	-60°C...+40°C T6 -60°C...+55°C T5 -60°C...+90°C T4 -60°C...+110°C T4
Switching Tolerance:	±3K
Protection Class:	IP68
Supply Cable:	400mm 3G1.5mm <sup>2</sup>
Cable Glands:	1x M20 Plastic (IRM1Ex) Metal (IRM2Ex)

## Marking

Ex II 2G Ex mb IIC T4 Gb  
Ex II 2D Ex tb IIIC T100°C Db IP68

## Approval

ATEX, IECEX, EAC

## Ordering Information

Part number:  
IRM1Ex: Plastic Ex-mini-thermostat for frost protection applications.  
IRM2Ex: Metal Ex-mini-thermostat for frost protection applications.

## Further Information

Please consult the installation instructions!