

# ELECTRONIC HEAT DETECTOR TMP2

## INTELLIGENT HEAT DETECTION OVER TEMPERATURE AND SUPPRESSION RELEASE DEVICES

**TMP2** series Fire and Overheat Detectors includes electronic circuit for signal conditioning generated by the transducer.

The transducer electrical signal is transformed into an engineered output with different interface solutions. The electronic card, reduced to the minimum size is made using SMT technology and placed directly into the unit probe.

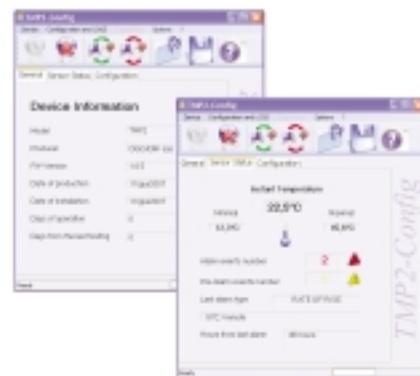
### FEATURES

- High reliability, dependable long-life.
- Immune from EMI disturbances, virtually eliminate false alarms.
- Two temperature set-point levels setting from -20°C to 110°C.
- Different output configurations. Rate of Rise feature
- Self-diagnosis procedure.
- Wide range of temperature settings.
- Two wires technology.



Patent n° MI2000C 008684

Now available "TMP2-Config": the new diagnostic and configuration software that allows connection to the instrument (by serial communication) and to interact with it. Possibility to see general information, sensor status, alarm events.



### APPLICATION

- Commercial and Industrial plants
- Suitable for use in explosive atmospheres
- Hazard material stores
- Extraction ducts
- Certificate ATEX II 2G EEx-d IIC T6

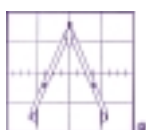


TMP2 detectors are sturdy, shock and vibration resistant and are compatible with any fire alarm control panel on the market.

TMP2 detectors are particularly suitable in dangerous environmental conditions such as in presence of corrosive elements or condensing steams.



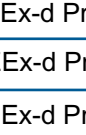
**TMP2 detectors comply with the specific response and environmental test requirements of the European Standard EN54-5.**

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## MAIN CONFIGURATIONS

	Description	Code
	EEx-d Protection 4-20mA Proportional Output	TMP2-J-AA
	EEx-d Protection Static Threshold set-point	TMP2-S-J-xx
	EEx-d Protection Rate of Rise Threshold set-point	TMP2-R-J-xx
	Dust Protection 4-20mA Proportional Output	TMP2-D-AA
	Dust Protection Static Threshold set-point	TMP2-S-D-xx
	Dust Protection Rate of Rise Threshold set-point	TMP2-R-D-xx
	IP67 Probe Static Threshold set-point	TMP2-S-P-xx
	IP67 Probe Rate of Rise Threshold set-point	TMP2-R-P-xx

### SPECIFICATION

Sensors	Pt 100 Semi-conductor
Code of protection	ATEX II 2G EEx-d IIC T6
Protection Degree	IP65 (Probe IP67)
Location	Hazardous area
Short-term repeatability	±2% FSD 60 min.
Long-term repeatability	±3% FSD 3 months.
Accuracy(linearity)	±1% FSD

### Enviromental Specification

EMC susceptibility	10V/m
Storage temperature	-40 to 85 °C
Operating temperature	-20 to 110 °C
Humidity range	100% R.H. n.c.

### Electrical Specification

Supply Voltage	10-30 Vdc
Supply current	200 uA in normal cond. 20 mA in alarm cond.
Supply fuse	63 mA
Cable Type	2 conductors cable

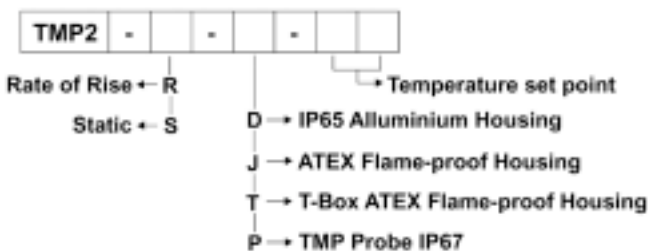
### Mechanical Specification

Overall dimensions	170x100x70 mm
Weight	150 g.
Mounting	2x6 mm holes
Termination EEx-d	Terminal
Probe attachment	1/2" NPT
Junction box attachment	1/2" NPT

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### CODE SELECTION CHART



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