

ELECTRONIC HEAT DETECTOR TMP2



Patent n° MI2000C 008684

APPLICATION

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

INTELLIGENT HEAT DETECTION OVER TEMPERATURE AND SUPPRESSION RELEASE DEVICES

The **TMP2** series of fire and overheat detectors, includes electronic circuit for signal conditioning generated by the transducer.

The electrical signal of transducer, 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 and virtually eliminate false alarms.

Two temperature set-point levels setting from 50°C to 110°C.

Different output configurations.

Rate of Rise feature

Self-diagnosis procedure.

Wide range of temperature settings.

Two wire technology.

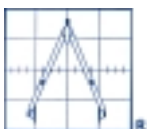


TMP2 detectors are sturdy, shock and vibration resistant and are compatible with any fire alarm control panel on the market.

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




TMP2 detectors comply with the specific response and environmental test requirements of the European standard EN54.

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OGGIONI s.a.s. Via Gariberto da Besana,11 20045 Besana Brianza (Mi) Italy
Tel.+39 0362 995062 Fax. +39 0362 540682 e-mail oggionisas@tin.it www.oggionisas.com

MAIN CONFIGURATIONS

	Description	Code
	EEx-d Protection Single set-point 57°C	TMP2-1-J-57
	EEx-d Protection Single set-point 90°C	TMP2-1-J-90
	EEx-d Protection Double set-points 57and 90°C	TMP2-2-J-57/90
	Dust Protection Single set-point 57°C	TMP2-1-D-57
	Dust Protection Single set-point 90°C	TMP2-1-D-90
	Dust Protection Double set-points 57and 90°C	TMP2-2-D-57/90
	IP67 Probe Single set-point 57°C	TMP2-1-P-57
	IP67 Probe Single set-point 90°C	TMP2-1-P-90
	IP67 Probe Double set-points 57and 90°C	TMP2-2-P-57/90

SPECIFICATION

Sensors	Pt 100 Semi-conductor
Code of protection	ATEX II 2G EEx-d IIC T6
Degree of protection	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

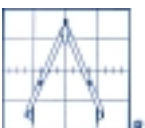
Supply Voltage	10-30 Vdc
Supply current	200 uA in normal cond. 10/20 mA in alarm cond.
Supply fuse	63 mA
Cable Type	2 conductor cable

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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