



# TA05

## Interactive heat detector

- **Standard EN54-5 Ed2000**
- **Security addressing**
- **CE certified according to CPD**

**TA05** temperature heat detector analyzes the ambient temperature by the means of thermistor type CTN. **TA05 is able to detect elevation of temperature corresponding to A1S, A2S, BS, A1R, A2R, and BR class** according to EN54-5 standard.

The various levels of temperature are chosen while programming:

- Static temperature detector:

- **TA05-A1S: static  $T^{\circ}=62^{\circ}\text{C}+5/-3^{\circ}\text{C}$**
- **TA05-A2S: static  $T^{\circ}=68^{\circ}\text{C}+5/-3^{\circ}\text{C}$**
- **TA05-BS: static  $T^{\circ}=75^{\circ}\text{C}+5/-3^{\circ}\text{C}$**

- Static + rate of rise temperature detector:

- **TA05-A1R: static  $T^{\circ}=62^{\circ}\text{C}+5/-3^{\circ}\text{C}$**
- **TA05-A2R: static  $T^{\circ}=68^{\circ}\text{C}+5/-3^{\circ}\text{C}$**
- **TA05-BR: static  $T^{\circ}=75^{\circ}\text{C}+5/-3^{\circ}\text{C}$**

**$\Delta T^{\circ}>3^{\circ}\text{C}/\text{min}$**

Thermal function is prevalent on rate of rise function.

**TA05** includes a developed technology (**microprocessors, smd components**) which means precision and high reliability. A specific head detection fixed **by a single ceiling base**.

**TA05** is dedicated to **analogue fire detection panels**.

Temperature heat detectors are designed to be installed under flat ceiling with heights ranging between **2,5 m and 6 m** (3,5m for A1S, A2S and BS class) in healthy and more or less ventilated buildings.

The maximum supervised surface is **35m<sup>2</sup> by detector**; however it is preferable to refer to the local rules of installation recommended in particular when the characteristics of the installation differ from those stated above.



### Main characteristics

- Static / Elevation of  $T^{\circ}$
- 1 remote alarm indicator output
- Lockable
- Standard EN54-5
- Cable section max 2,5mm<sup>2</sup>
- 6 levels sensitivity setting (62°C to 75°C)
- Base isolator (option)

<b>Power supply specification</b>	
Main supply voltage	12Vdc to 28 Vdc
Nominal main supply voltage	24 Vdc
Quiescent current (24 Vdc)	140µA without base isolator / 240µA with base isolator
Alarm current (24 Vdc)	5mA ± 1mA
Fault current (24 Vdc)	140µA
Remote alarm indicator output	Individual command: 5mA ± 1mA
<b>Mechanical characteristics</b>	
Unit weight	130g
Unit dimensions (in mm)	H:55 D:104
Unit row material	ABS
Unit colour	White
IP rating	IP32
Mounting mode	Base
Fixing	- distance between centres: 50mm to 60mm - under ceiling: 2 screws Ø 4
<b>Climatic characteristics</b>	
Operating temperature	-30°C to +50°C (A1R, A2R, A1S, A2S) / -30°C to 65°C (BR, BS)
Storage temperature	+10°C to +50°C
Operating relative humidity	≤ 93%
Storage relative humidity	≤ 85%

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### CONNECTION

