

# 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°=62°C+5/-3°C
  - TA05-A2S: static T°=68°C+5/-3°C
  - TA05-BS: static T°=75°C+5/-3°C
- Static + rate of rise temperature detector:
  - TA05-A1R: static T°=62°C+5/-3°C
  - TA05-A2R: static T°=68°C+5/-3°C
  - TA05-BR: static T°=75°C+5/-3°C

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

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 **35m²** 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°
- 1 remote alarm indicator output
- Lockable
- Standard EN54-5
- Cable section max 2,5mm²
- 6 levels sensitivity setting (62°C to 75°C)
- Base isolator (option)

Power supply specification	
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
Mechanical characteristics	
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
Climatic characteristics	
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%

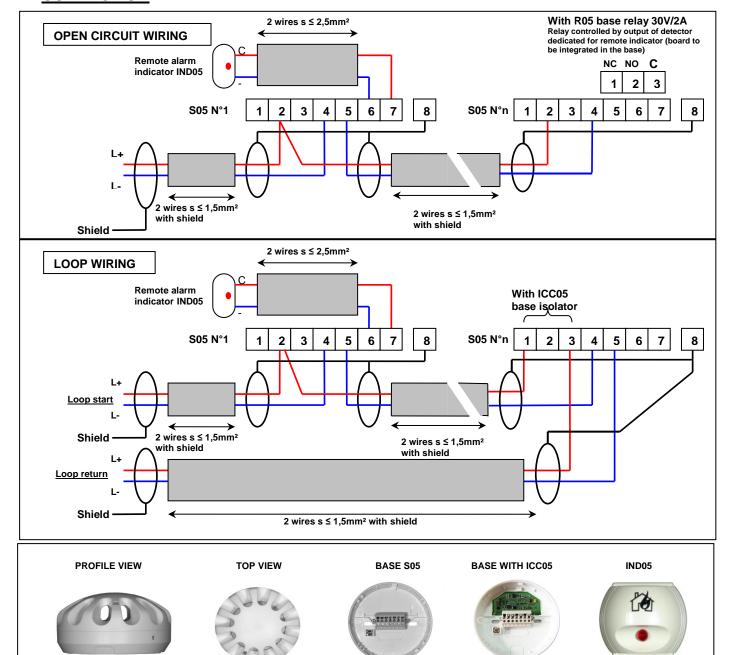




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#### **CONNECTION**



REFERENCE DESCRIPTION

TA05 Interactive heat temperature detector

S05 Base detector ACCESSORIES

IND05 Remote alarm indicator

IAA Remote alarm indicator, for more than one detector

SOUND05 Base with internal sounder 95dB

ICC05 Base isolator

BRI Universal base with gland holes for 05 detectors range

Non contractual document

BRI/EM Waterproof universal base with gland holes for 05 detectors range



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