

TRC05/TSC05 & TRC05.12V/TSC05.12V

Conventional heat detectors & 12V version

- **STANDARD EN54-5 Ed2000 / Full CE marking according to CPD**
- **Number of certification: 0333 CPD 075 014 for TRC05 & 0333 CPD 075 015 for TSC05**

Both Temperature heat detectors analyze the ambient temperature by the means of thermistor type CTN.

TSC05 (static heat detector) is either classified **A1S** or **BS** according to EN54-5 standard:

- **TSC05-A1S: static $T^{\circ}=62^{\circ}\text{C}\pm 3^{\circ}\text{C}$**
- **TSC05-BS: static $T^{\circ}=75^{\circ}\text{C}\pm 5^{\circ}\text{C}$**

TRC05 (static + rate of rise detector) is especially adapted for average ambient temperature conditions under $+10^{\circ}\text{C}$. TRC05 is classified **A1R** according to EN54-5 standard:

- **Static $T^{\circ}=62^{\circ}\text{C}\pm 3^{\circ}\text{C}$**
- **$\Delta T^{\circ}>9^{\circ}\text{C}/\text{min}$**

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

12V version of TRC05 & TSC05 detectors is also available for **security type systems**



Main characteristics

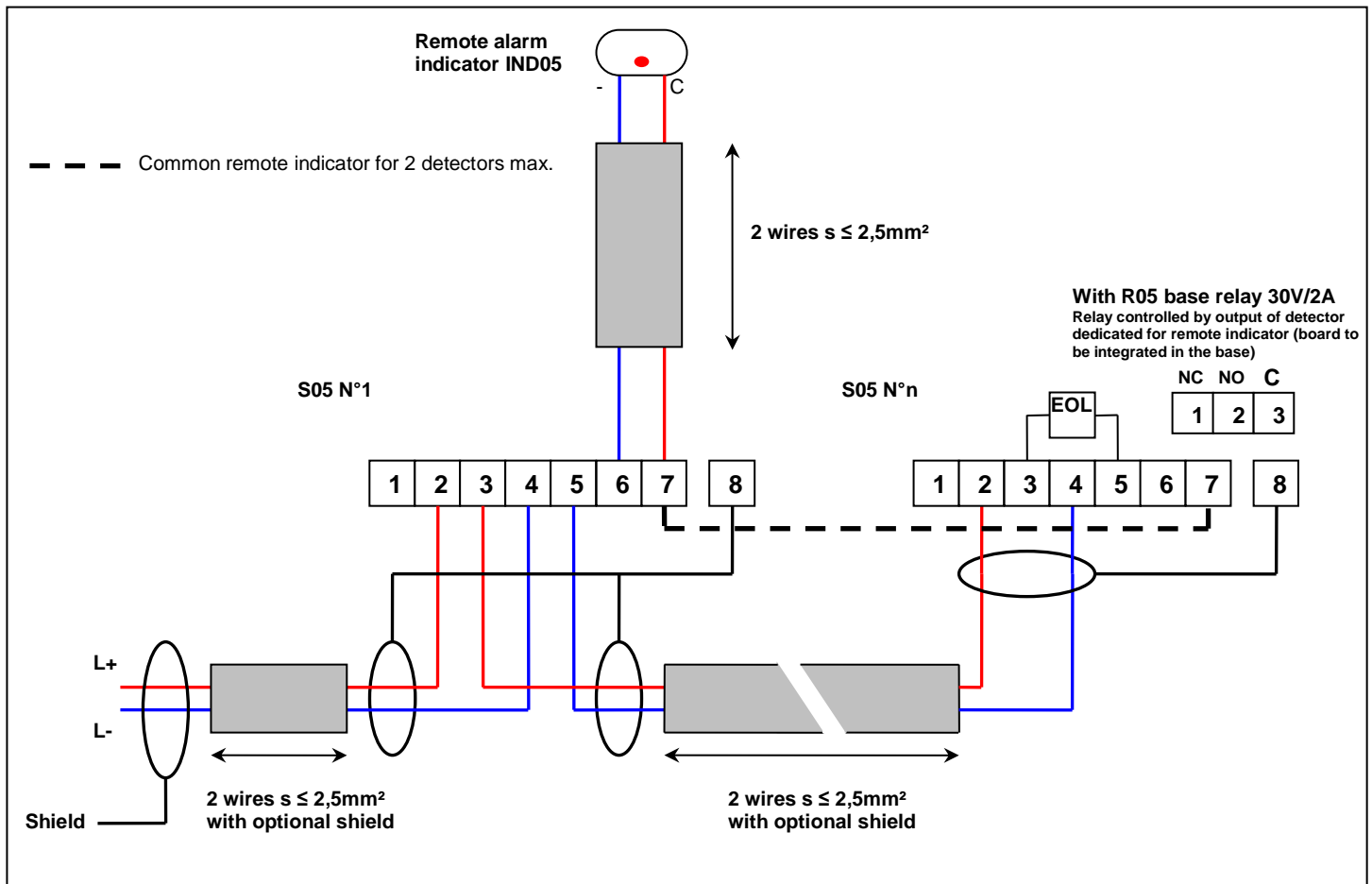
- Static / Elevation of T°
- Lockable
- Standard EN54-5
- 1 remote alarm indicator output
- Cable section max 2,5mm²

| Power supply specification | |
|-----------------------------------|---|
| Main supply voltage | 13Vdc to 27 Vdc |
| Nominal main supply voltage | 20 Vdc |
| Quiescent current (20 Vdc) | 20 – 30µA |
| Alarm current (20 Vdc) | 32mA |
| Fault current (24 Vdc) | 140µA |
| 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 | -10°C to +50°C |
| Storage temperature | +10°C to +50°C |
| Operating relative humidity | ≤ 93% |
| Storage relative humidity | ≤ 85% |

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CONNECTION



PROFILE VIEW



TOP VIEW



BASE S05



BASE WITH R05



REFERENCE

| REFERENCE | DESCRIPTION |
|--------------|--|
| TSC05-A1S | Conventional static heat detector, $T^{\circ}=62^{\circ}\text{C}$ |
| TSC05-A1S.12 | Conventional static heat detector, $T^{\circ}=62^{\circ}\text{C}$, for 12V security type systems |
| TSC05-BS | Conventional static heat detector, $T^{\circ}=75^{\circ}\text{C}$ |
| TSC05-BS.12 | Conventional static heat detector, $T^{\circ}=75^{\circ}\text{C}$, for 12V security type systems |
| TRC05 | Conventional static + rate of rise heat detector, $T^{\circ}=62^{\circ}\text{C}$, $+9^{\circ}\text{C}/\text{min}$ |
| TRC05.12 | Conventional static + rate of rise heat detector, $T^{\circ}=62^{\circ}\text{C}$, $+9^{\circ}\text{C}/\text{min}$, for 12V security type systems |
| S05 | Base for conventional 05 range |

ACCESSORIES

| | |
|-------|--|
| IND05 | Remote alarm indicator for conventional 05 range |
| R05 | Base relay |
| CS05 | Protection plate for base S05 |
| GAV | Protection grid |

