



# 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  $T^{\circ}$
- Lockable
- Standard EN54-5
- 1 remote alarm indicator output
- Cable section max 2,5mm<sup>2</sup>

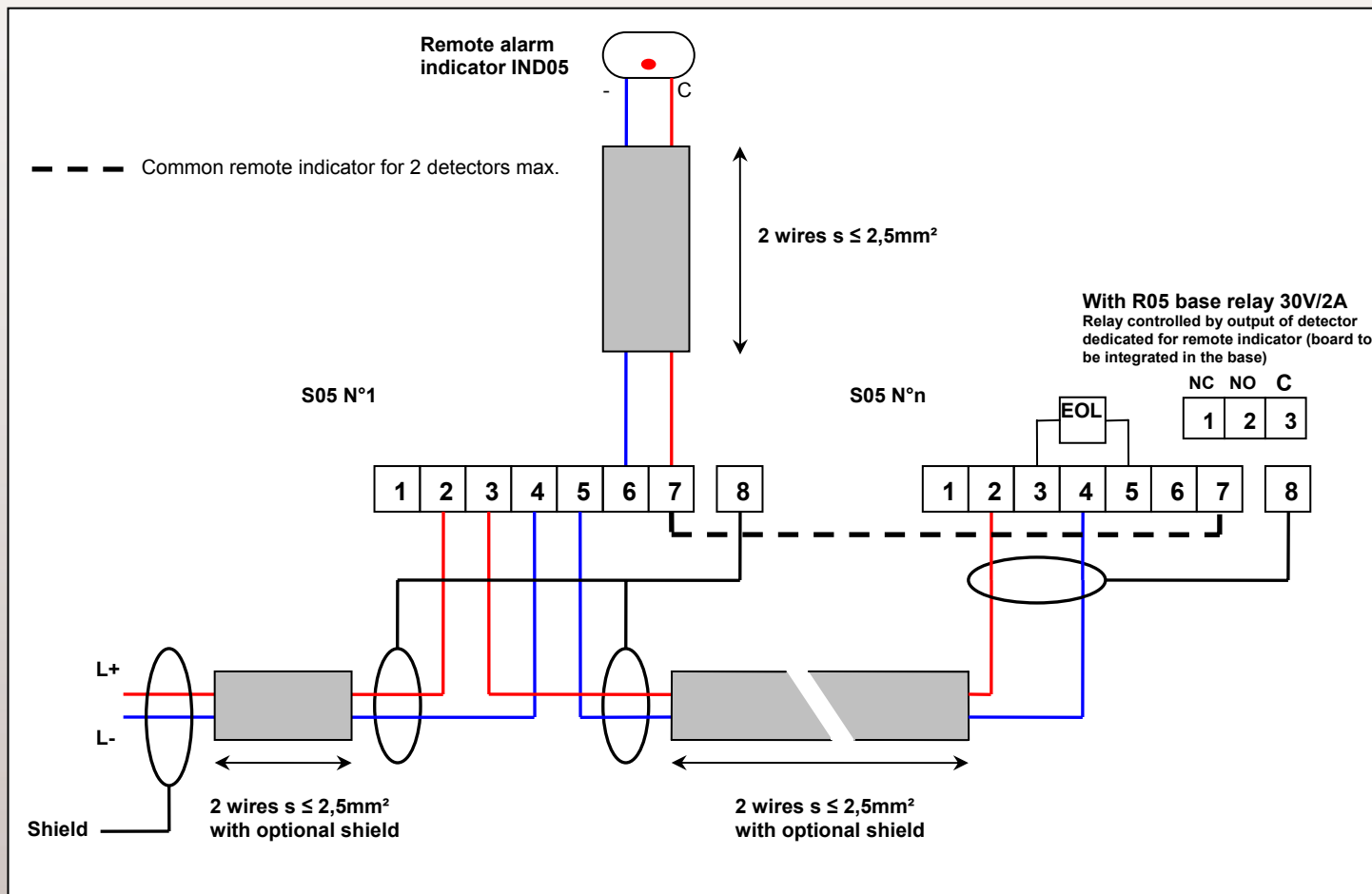
<b>Power supply specification</b>	
Main supply voltage	13Vdc to 27 Vdc
Nominal main supply voltage	20 Vdc
Quiescent current (20 Vdc)	20 – 30µA
Alarm current (20 Vdc)	32mA
Fault current (24 Vdc)	140µA
<b>Mechanical characteristics</b>	
Unit weight	130g
Unit dimensions (in mm)	H:55 D:104
Unit row material	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	-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