

# TRC05/TSC05 & TRC05.12V/TSC0512.V

## 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

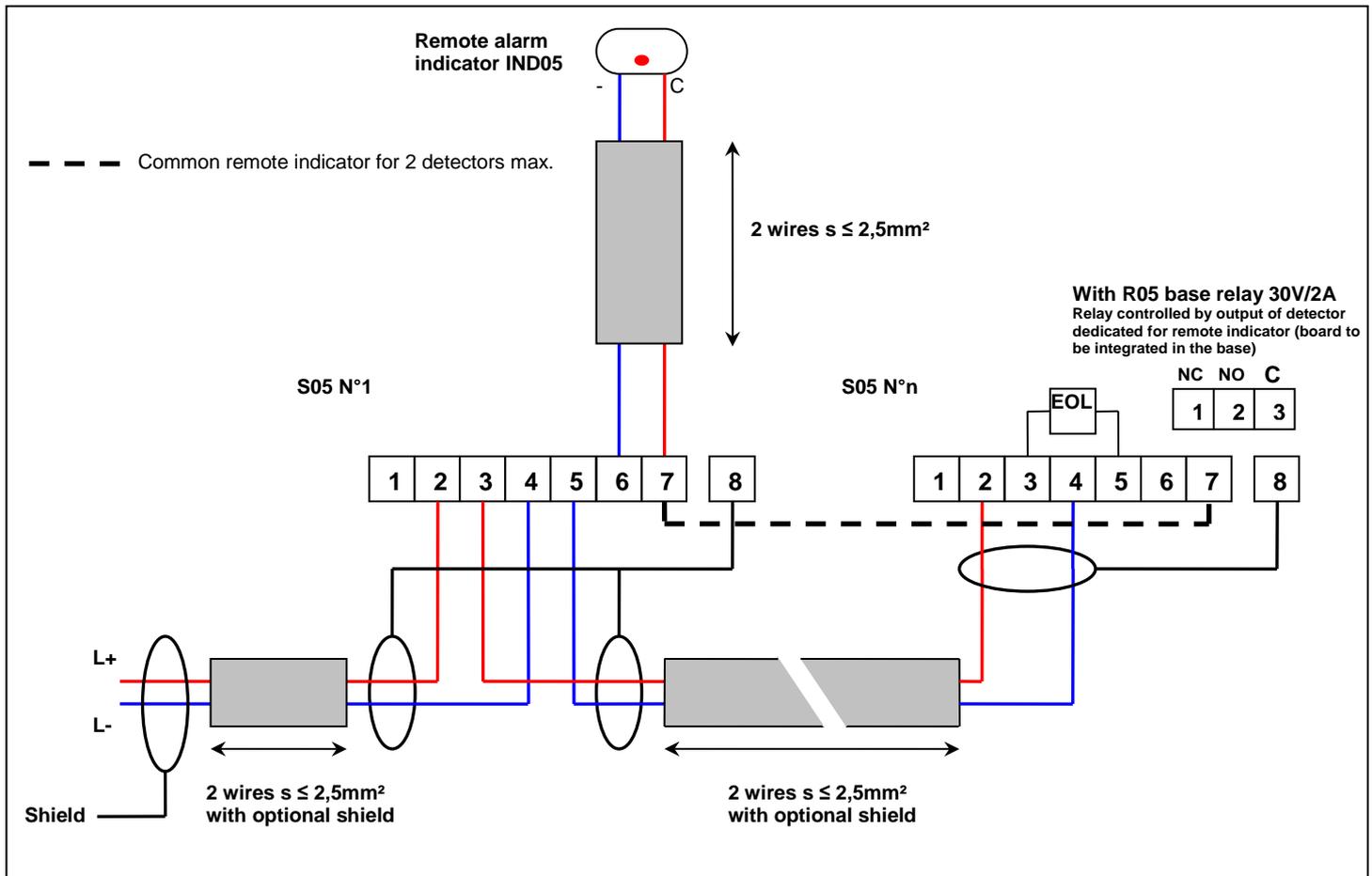
- Static / Elevation of  $T^{\circ}$
- Lockable
- Standard EN54-5
- 1 remote alarm indicator output
- Cable section max 2,5mm<sup>2</sup>

<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%

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

## Conventional heat detectors & 12V version

### CONNECTION



PROFILE VIEW



TOP VIEW



BASE S05



IND05



#### 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
IAA	Remote alarm indicator, for more than one detector
SOUND05	Base with internal sounder 95dB
BRI	Universal base with gland holes for 05 detectors range
BRI/EM	Waterproof universal base with gland holes for 05 detectors range

