



OC05 & OC05.12

Conventional optical smoke detector & 12V version

- **STANDARD EN54-7 Ed2000 / Full CE marking according to CPD**
- **Number of certification: 0333 CPD 075 013**

The Optical smoke detector analyzes an atmosphere by reflection of a light on the particles of smoke according to **TYNDALL effect**. It detects especially the **cold and visible smoke particles** (0,3µm to 2µm) produced in the early stages of a fire. The threshold of response of alarm is regulated to obtain the value $m=0,2\text{db/m}\pm 0,03$ according to standard **EN54-7**.

OC05 includes 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 OC05 detectors is also available for **security type systems**



Main characteristics

- Photoelectric scattering (Tyndall effect)
- 1 remote alarm indicator output
- Lockable
- Standard EN54-7
- Cable section max 2,5mm²
- 12V version

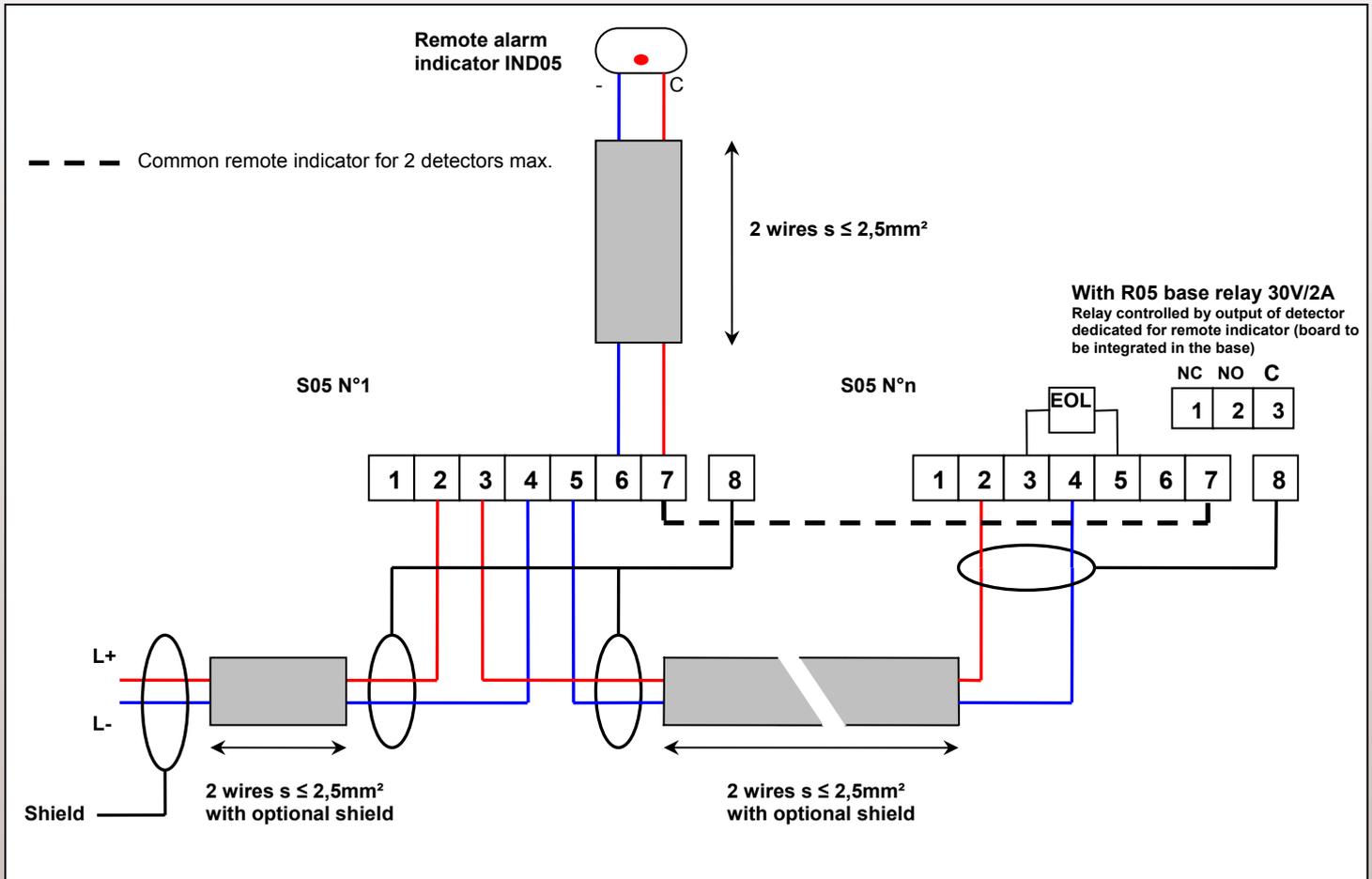
| Power supply specification | |
|-----------------------------------|---|
| Main supply voltage | 13Vdc to 27 Vdc |
| Nominal main supply voltage | 20 Vdc |
| Quiescent current (20 Vdc) | 25µA |
| Alarm current (20 Vdc) | 32mA |
| Power down reset time | >4s |
| Remote alarm indicator output | 0V in standby / 3,3Vdc in alarm |
| Auxiliary output | |
| When fire alarm | On |
| Mechanical characteristics | |
| Unit weight | 130g |
| Unit dimensions (in mm) | H:55 D:104 |
| Unit raw 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 +60°C |
| Storage temperature | +10°C to +50°C |
| Operating relative humidity | ≤ 93% |
| Storage relative humidity | ≤ 85% |



OC05 & OC05.12

Conventional optical smoke detector & 12V version

CONNECTION



PROFILE VIEW



TOP VIEW



BASE S05



BASE WITH R05



REFERENCE

| | |
|---------|---|
| OC05 | Conventional optical smoke detector |
| OC05.12 | Conventional optical smoke detector 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 |