



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 $m=0,2db/m\pm 0,03$ 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

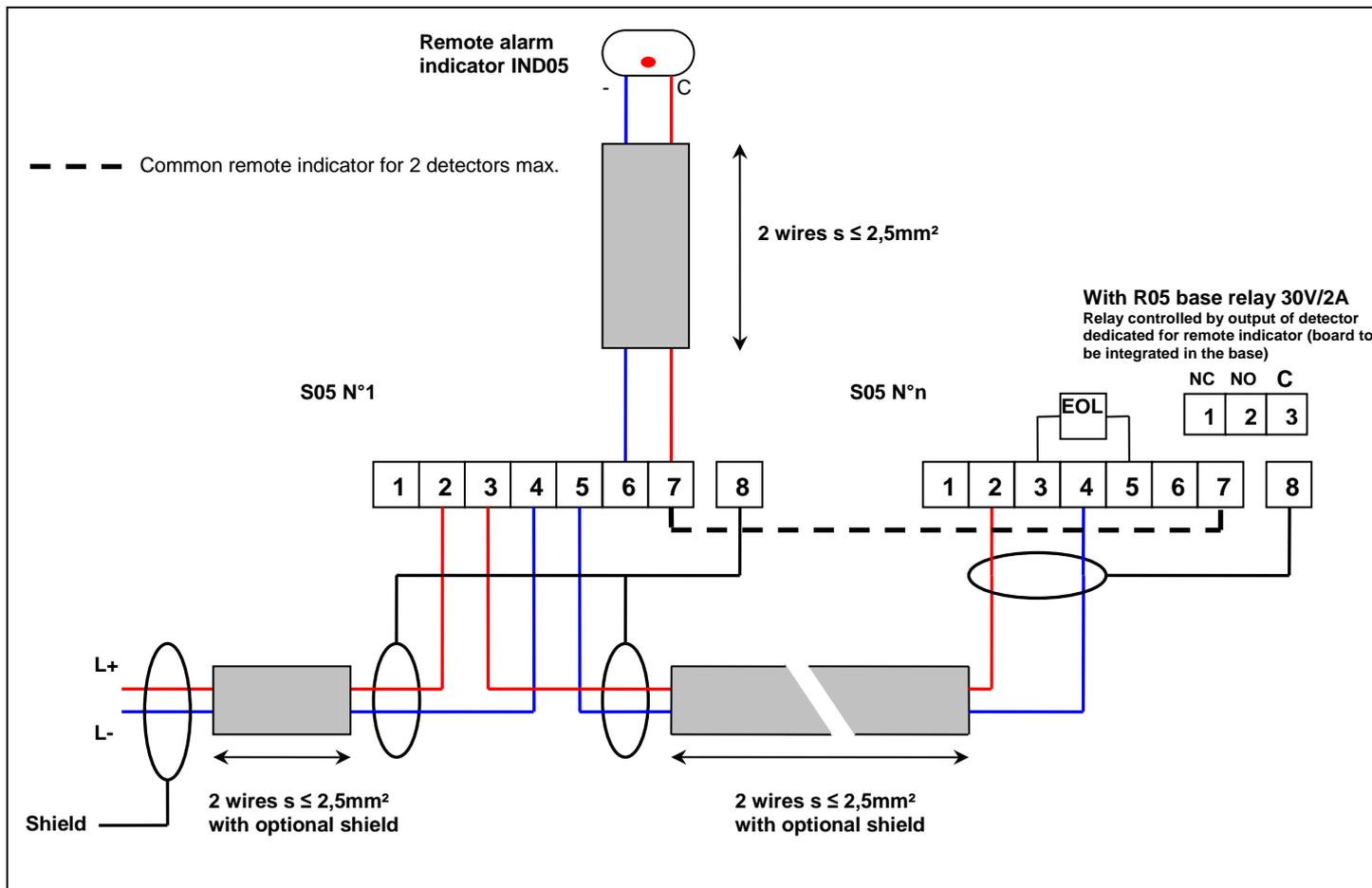
Power supply specification	
Main supply voltage	13Vdc to 27 Vdc
Nominal main supply voltage	20 Vdc
Quiescent current (20 Vdc)	25µA
Alarm current (20 Vdc)	32mA
Power down reset time	>4s
Remote alarm indicator output	0V in standby / 3,3Vdc in alarm
Auxiliary output	
When fire alarm	On
Mechanical characteristics	
Unit weight	130g
Unit dimensions (in mm)	H:55 D:104
Unit 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 +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



IND05



REFERENCE

OC05

OC05.12

S05

ACCESSORIES

IND05

IAA

SOUND05

BRI

BRI/EM

DESCRIPTION

Conventional optical smoke detector

Conventional optical smoke detector for 12V security type systems

Base for conventional 05 range

Remote alarm indicator

Remote alarm indicator, for more than one detector

Base with internal sounder 95dB

Universal base with gland holes for 05 detectors range

Waterproof universal base with gland holes for 05 detectors range

