



# 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** ( $0,3\mu\text{m}$  to  $2\mu\text{m}$ ) 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  $2,5\text{mm}^2$
- 12V version

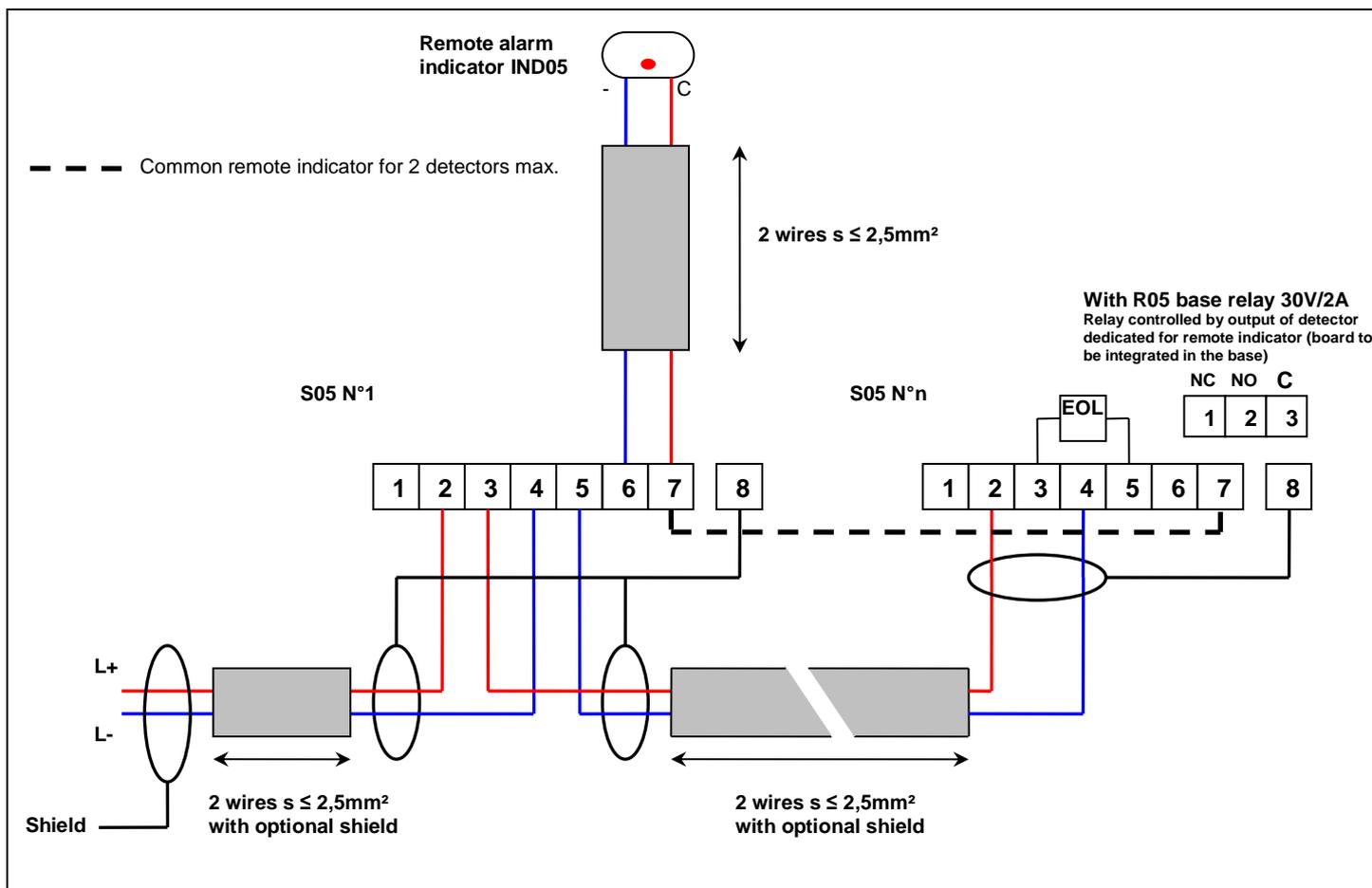
<b>Power supply specification</b>	
Main supply voltage	13Vdc to 27 Vdc
Nominal main supply voltage	20 Vdc
Quiescent current (20 Vdc)	25 $\mu$ A
Alarm current (20 Vdc)	32mA
Power down reset time	>4s
Remote alarm indicator output	0V in standby / 3,3Vdc in alarm
<b>Auxiliary output</b>	
When fire alarm	On
<b>Mechanical characteristics</b>	
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 $\varnothing$ 4
<b>Climatic characteristics</b>	
Operating temperature	-10°C to +60°C
Storage temperature	+10°C to +50°C
Operating relative humidity	$\leq$ 93%
Storage relative humidity	$\leq$ 85%



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### CONNECTION



PROFILE VIEW



TOP VIEW



BASE S05



BASE WITH R05



#### REFERENCE

OC05

OC05.12

S05

#### ACCESSORIES

IND05

R05

CS05

GAV

#### DESCRIPTION

Conventional optical smoke detector

Conventional optical smoke detector for 12V security type systems

Base for conventional 05 range

Remote alarm indicator for conventional 05 range

Base relay

Protection plate for base S05

Protection grid

