



# OC05Ex

## Conventional optical smoke detector ATEX

- **Standard EN54-7 Ed2000 / Full CE marking according to CPR**
- **Number of certification: 0333 CPR 075428-1**

**The Optical smoke detector OC05Ex 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  $m=0, 180\text{db/m} \pm 0, 03$  according to standard **EN54-7**. **OC05Ex** includes a developed technology (**microprocessors, smd components**) which means precision and high reliability.

**OC05Ex is a conventional ATEX detector and it can work in a intrinsically safe area.**



### Main characteristics

- Photoelectric scattering (Tyndall effect)
- 1 remote alarm indicator output
- Lockable
- Standard EN54-7
- Cable section max 2,5mm<sup>2</sup>
- ATEX certified

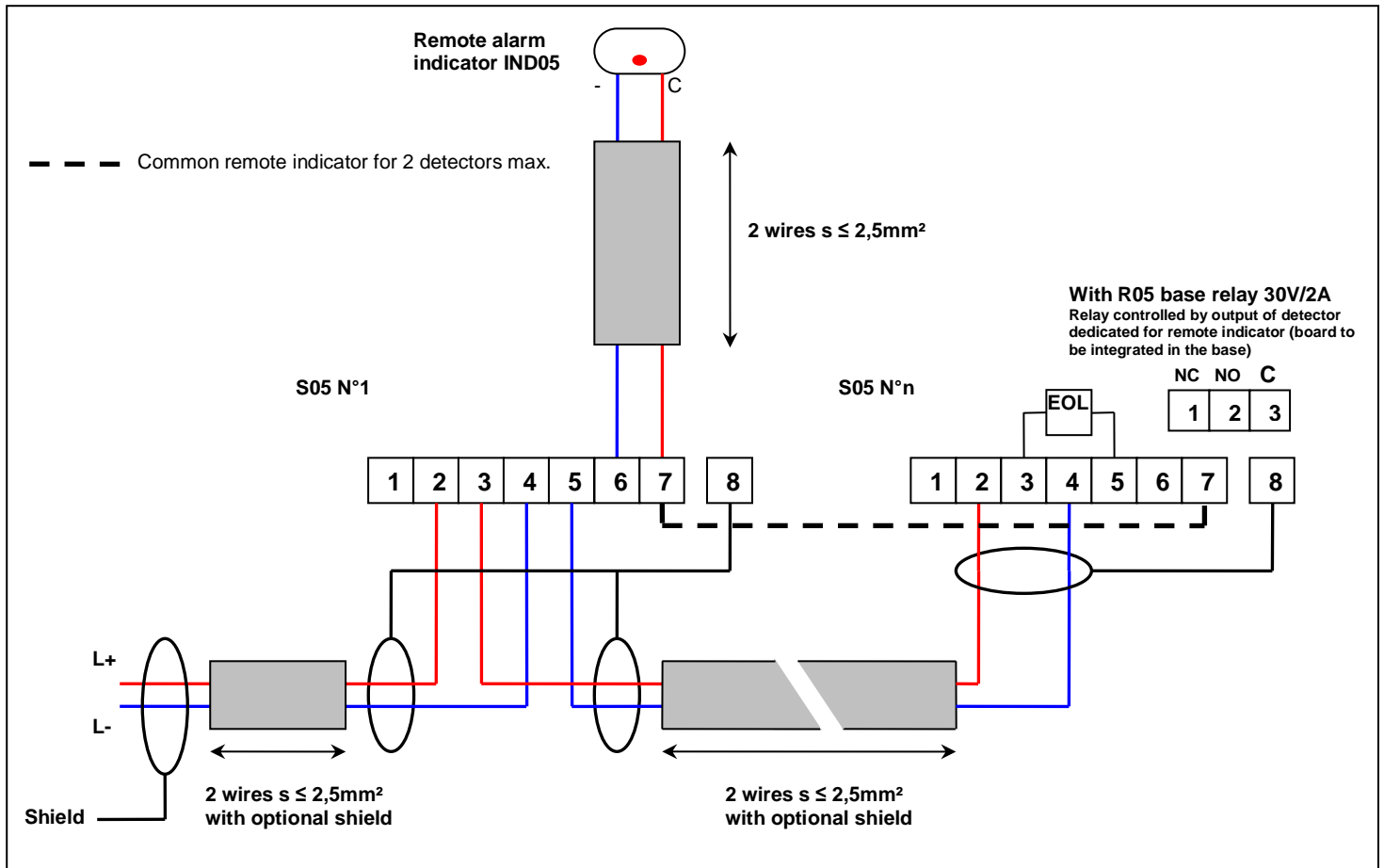
<b>Power supply specification</b>	
Main supply voltage	10Vdc to 28 Vdc
Nominal main supply voltage	20 Vdc
Quiescent current (20 Vdc)	<150µA
Alarm current (20 Vdc) with BSI 280Ω	24mA ± 2mA
<b>Auxiliary output</b>	
When fire alarm	On
<b>Mechanical characteristics</b>	
Unit weight	130g
Unit dimensions (in mm)	H:55 D:104
Unit row material	ABS ATEX
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	-20°C to + 55°C
Storage temperature	+10°C to + 50°C
Operating relative humidity	≤ 93% HR



# OC05Ex

## Conventional optical smoke detector Atex

### CONNECTION ON BASE S05



Profile view



Top view



BASE S05



BASE with R05



#### REFERENCE

OC05Ex Conventional optical smoke detector Atex version  
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



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