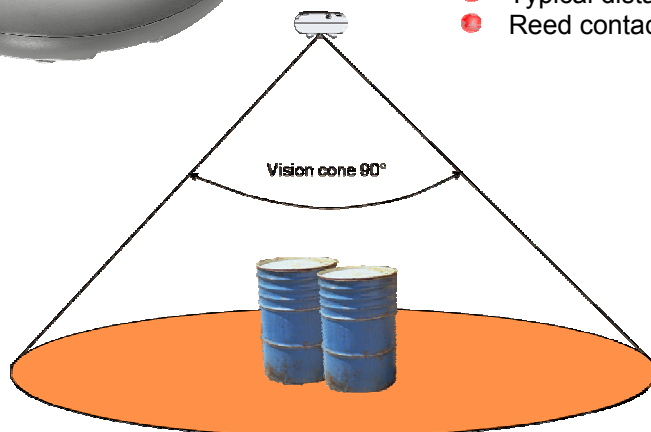# IRY2 + S95

Conventional infrared flame detector

*IRY2 is a flame detector using the mid-range infrared spectrum. Flame detectors are designed to protect **premises containing inflammable materials (liquids or gases). IRY2** detector analyzes the infrared radiation emitted by the flames in a fire. It uses IR sensors sensitive to variations in energy on 2 IR wavelengths. The combination of the 2 sensors enables measurement of **the exclusive presence of the CO_2** given off by a fire. The analysis of the signals received is combined with suitable digital and analogue data processing in order to output **highly precise alarm information about potentially dangerous phenomena. IRY2 meets the requirements of the European standard**. IRY2 is compatible with SD3 conventional panels and SD3 analogue panels through MAY1 module.*
*The conventional infrared flame detector also exists **in IP65 version** as reference IRY2 – IP65.*

Main characteristics

- 1 remote alarm indicator output
- Lockable
- Standard EN54-10
- Cable section max 2,5mm²
- Red alarm LED
- Area coverage: vision cone ± 45°, Dmax 25m
- Typical distance = 17m
- Reed contact

Vision cone 90°
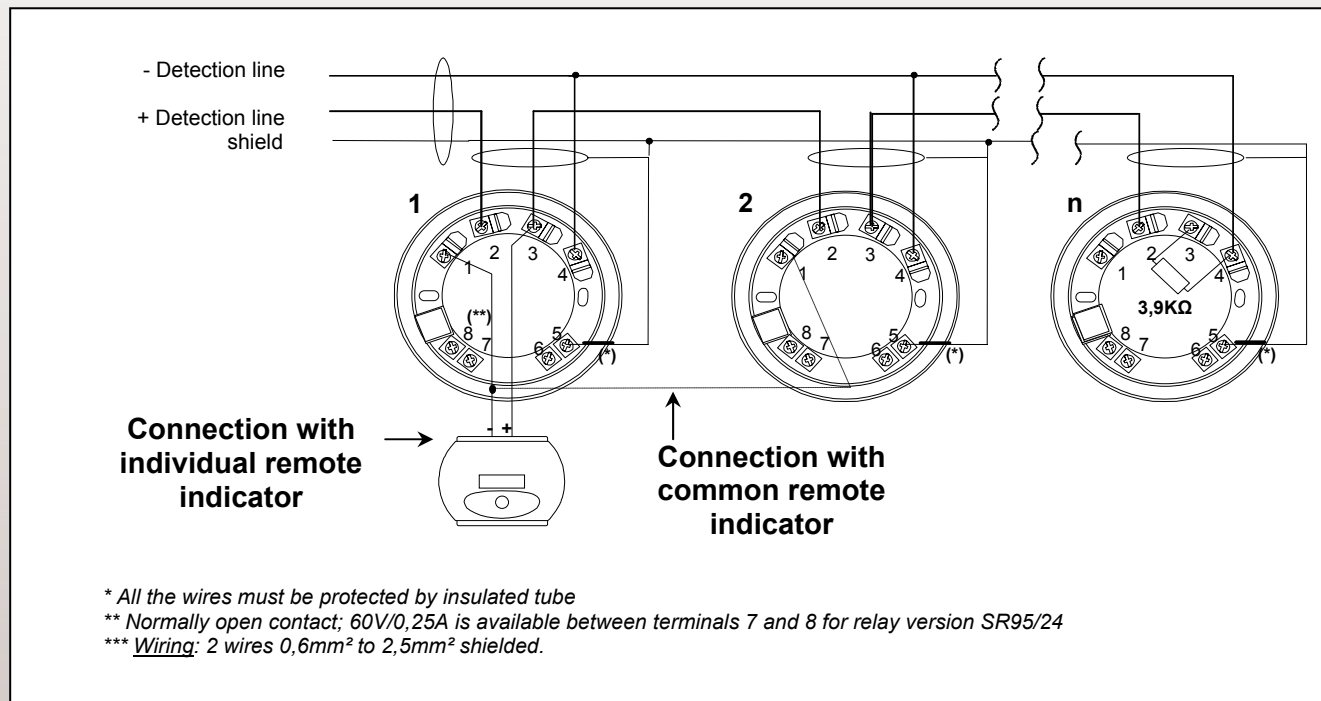
Power supply specification	
Main supply voltage	15Vdc to 28 Vdc
Quiescent current (20 Vdc)	515µA
Alarm current (20 Vdc)	32mA
Alarm activated open collector	40V max limited to 24 mA on 24V
Mechanical characteristics	
Unit weight	125g
Unit dimensions (in mm)	H:41 D:104
Unit row material	ABS
Unit colour	White
IP rating	IP20
Mounting mode	Base
Climatic characteristics	
Operating temperature	-10°C to 55°C
Storage temperature	+10°C to +50°C
Operating relative humidity	≤ 95% without condensation
Storage relative humidity	≤ 85% without condensation

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CONNECTION

- Detection line
+ Detection line
shield

1   **2**   **n**

3,9KΩ

(**)   (*)   (*)   (*)

Connection with individual remote indicator →

Connection with common remote indicator

* All the wires must be protected by insulated tube
** Normally open contact; 60V/0,25A is available between terminals 7 and 8 for relay version SR95/24
*** Wiring: 2 wires 0,6mm² to 2,5mm² shielded.

IRY2 – IP65 box version

Specifications	
IP rating	IP 65 box
Dimensions	225 x 175 x 80 (mm)

REFERENCE	DESCRIPTION
IRY2+S95	**Conventional infrared flame detector with base**
IRY2 - IP65	**Conventional infrared flame detector in IP65 box.**
OPTIONS & ACCESSORIES	
IND05	**Remote alarm indicator for conventional Y2 range**

www.sd3.fr

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