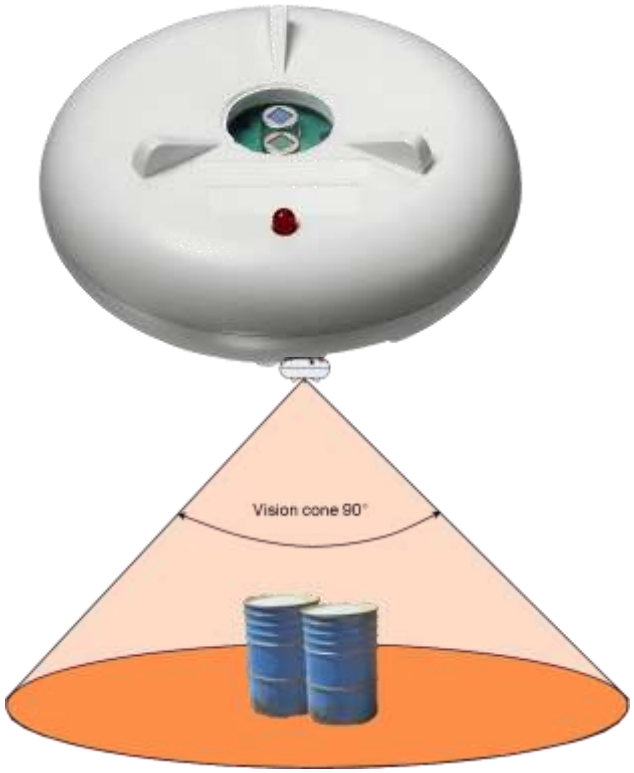
IR95 + S95

Addressable infrared flame detector

IR95 is a flame detector using the mid-range infrared spectrum. *Flame detectors are designed to protect* ***premises containing inflammable materials (liquids or gases). IR95*** *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****.* ***IR95 meets the requirements of the European standard****.* ***IR95 is compatible with SD3 analogue panels.***



Main characteristics

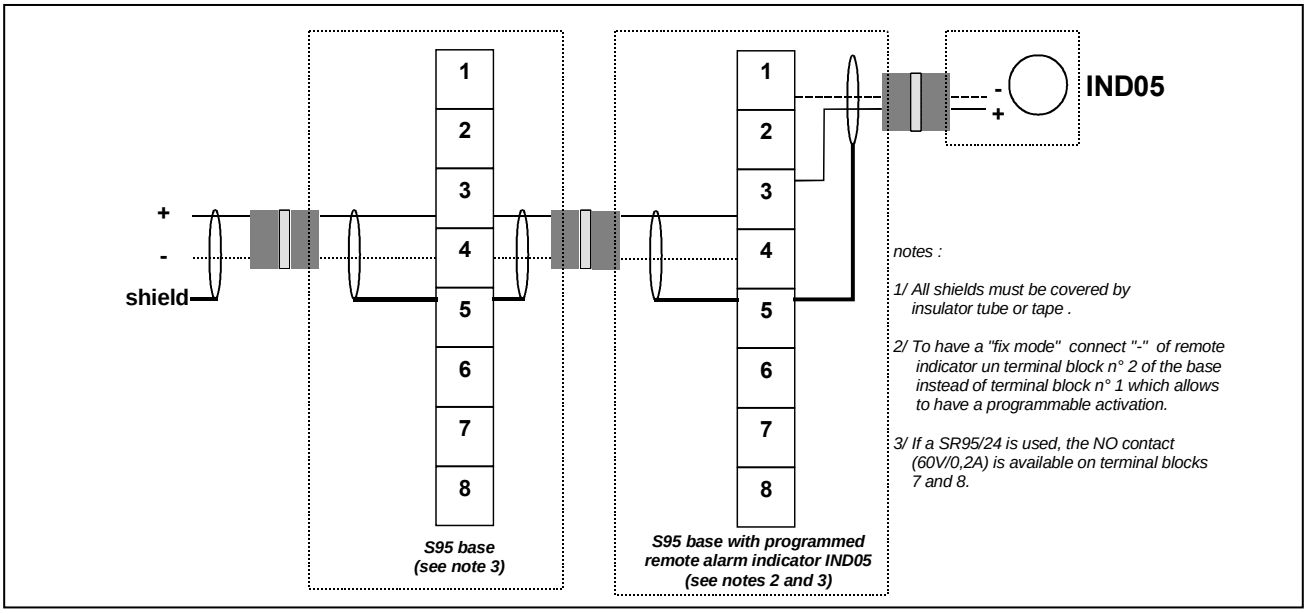
- 1 alarm activated open collector
- 1 programmable open collector
- 1 programmable address
- Lockable
- Standard EN54-10
- Cable section max 2,5mm²
- Red alarm LED
- Area coverage: vision cone ± 45°, Dmax 25m
- Reed contact

Power supply specification	
Main supply voltage	Through detection loop 15Vdc to 28 Vdc
Quiescent current (20 Vdc)	515µA
Alarm current (20 Vdc)	8mA
Fault current (20 Vdc)	515µA
Alarm activated open collector	40V max limited to 24 mA on 24V
Programmable 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

IR95 + S95

Addressable infrared flame detector

Connection for S95



Connection for S95I

Green Terminal block for detection line connection (except shield)	Base terminal block for IND and shield connection	Designation
1	3 (not used)	Loop/line input +
2	4 (not used)	Loop/line input -
3	3 (not used)	Loop/line output +
4	4 (not used)	Loop/line output -
	5	shield
+ IND05		Remote indicator +
	1	Common Remote indicator -
	2	Individual Remote indicator -

Connection for SB95

Terminal block	Designation
1	Programmable output for common remote alarm indicator IND05 (-)
2	Output for buzzer automatic command
3	+ line / common remote indicator IND05 (+)
4	- line

REFERENCE ***DESCRIPTION***
IR95 **Analogue addressable infrared flame detector**
S95 **Base detector**
OPTIONS & ACCESSORIES
IND05 **Remote alarm indicator for addressable A95 range**

Non contractual document

Security Detection Direct Distribution
41 rue du saule trapu, ZA du moulin de Massy
91300 MASSY (France)
Tel : +33 (0)1 60 13 67 24
Fax : +33 (0)1 60 13 67 26
e-mail : sd3@sd3.net