Accessories

*In order to complete your **fire detection system** you may need some **accessories** like **sounders, remote indicators or electromagnetic door release units**. They are all **compatible** with our range of panels as well for **conventional** as for **analogue**.*

IND05 Remote alarm indicator: Makes possible the optical alarm repetition. Compatible with our complete range of detectors. Angle of vision 180°. Water proof version: **IND05E**

Weight: 35g	Operating voltage: 15Vdc to 30Vdc (<2Vdc for 05 range)
Dimension: 85 x 64 x 33 mm	Quiescent current: 0A
IP rating: 22 (water proof: 43)	Alarm current (24Vdc): 10mA

AVSU-EFP: AVSU-EFP is a sounder with IP54. It is attended for outdoor use. Sound power: 110dB @1meter.

Weight: 1Kg	Modulated sound: 440 / 554 Hz
dimension: 101 x 101 x 132 mm	Operating voltage: 18-60Vdc
IP rating: 54	Consumption (48Vdc) : 40mA

P7232 optical acoustic alarm panel with buzzer: Lighting with high luminosity LED, 12V/24Vdc, IP55.
P7236 self powered optical acoustic alarm panel with buzzer: lighting with high luminosity LED, 12V/24Vdc; IP55.
P7264 optical acoustic alarm panel with sounder: Lighting with high luminosity LED IP55.
P7266 self-powered optical acoustic alarm panel with sounder, lighting with high luminosity LED IP55.

Suitable devices for any risk situation such as fire, flooding, gas leak, etc. where visual and/or acoustic information is needed.

Weight: 400g	Material: ABS
dimension: 110 x 285 x 68	Operating voltage: 12/24Vdc
IP rating: IP55	Consumption: 150mA (24V)

P7265 optical acoustic alarm panel with sounder, Lighting with high luminosity LED, 12V/24Vdc, IP43
P7268 self-powered optical acoustic alarm panel with sounder, Lighting with high luminosity LED IP43.
P7260 optical acoustic alarm panel: Lighting with high luminosity LED, 12V/24Vdc, IP65

Suitable for any risk situation such as fire, flooding, gas leak, etc. where visual and/or acoustic information is needed. This particularly fine and pleasant design is suitable for installations in hotels, shops, shopping malls, cinemas. Lighting with high luminosity LED.

Weight: 590g (760g for P7268 version)	Material: polycarbonate
dimension: 331 x 150 x 68	Operating voltage: 10-30Vdc
IP rating: IP43 (IP65 for P7260 version)	Average consumption: 95mA

VTR0241210 Electromagnetic door release unit: Electromagnetic door holders mounted in a steel box + rotating equipped keeper-plate. It is designed to hold open fire or smoke stop doors, for convenience and then release automatically them in response to an emergency. The keeper plate is mounted on a rotating and shock-absorbing support for angles ≤60°. Release push-button.

dimension: 85 x 70 x 45 mm	Holding force: 50daN
IP rating: 42	P: 1,2W
Colour, material: white epoxy, metallic box	Operating voltage: 24 Vdc ±10%

A world of fire detection equipment

Accessories

IND05	**AVSU-EFP**	**P7232, P7236, P7264, P7266**

IND05

+	-	C*
In/out	In/out	In/out

* positive connection for 05 range

AVSU-EFP

0V
+Vcc output
0V
+Vcc input

P7232, P7236, P7264, P7266

12/24Vdc	1
+12/24Vdc	2
Command	3

P7265, P7268, P7260

+ supply voltage for 24V version	1
- supply voltage (GND)	2
Command input JP2* setting	3
- supply voltage (GND)	4
+ supply voltage for 24V version	5
- supply voltage (GND)	6
+ supply voltage for 12V version	7

JP2* a / b

JP2 on position a:
activation on presence of negative signal on input.

JP2 on position b:
activation on absence of negative signal

VTR0241210

-	+
In/out	In/out

| **REFERENCE**	**DESCRIPTION**
IND05	Remote alarm indicator angle of vision = 180° (IND05E: water proof version)
AVSU EFP	High powered piezoelectric sounder for outdoor, 114db @ 1m, IP65
P7232	Optical acoustic alarm panel with buzzer Lighting with high luminosity LED, 12V/24Vdc, IP55.
P7236	Self powered optical acoustic alarm panel with buzzer: lighting with high luminosity LED, 12V/24Vdc; IP55.
P7264	Optical acoustic alarm panel with sounder: Lighting with high luminosity LED IP55.
P7266	Self-powered optical acoustic alarm panel with sounder, lighting with high luminosity LED IP55.
P7265	Optical acoustic alarm panel with sounder, Lighting with high luminosity LED, 12V/24Vdc, IP43
P7268	Self-powered optical acoustic alarm panel with sounder, Lighting with high luminosity LED IP43.
P7260	optical acoustic alarm panel: Lighting with high luminosity LED, 12V/24Vdc, IP65
VTR0241210	Electromagnetic door release unit

SD3
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Sounders and Beacons
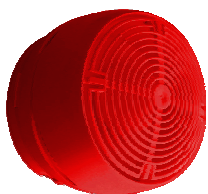
AVS2000/W White color piezo indoor sounder:
AVS2000/R Red color Piezo indoor sounder: AVS2000 has a round shape which allows a wall or ceiling fixing. It has also a white off color which makes it discrete in the installation. It operates with a piezo-electric cell that guarantees a poor consumption. Its side hearing ensures an excellent broadcasting of the sound. 2 sound level settings. Sound power: 90 to100dB @1meter. AVS2000/R: red version.

EN54-3 according to CPD

Weight: 200g	Operating t°: 0 to 50°C
dimension: Ø104; 84mm high	Operating voltage: 15-60Vdc
IP rating: 31	Consumption (24Vdc) : 6mA min to 25mA max

AVSFLASH: Xenon visual beacon from the 05 range.
Its round shape allow a very good wall or ceiling mounting.
In the case of wall mounting it is essential that the fixing holes are set on an horizontal line.For the ceiling mounting, no specific recommendation in this regards are given.
AVSFLASH works thanks to a high luminosity embedded led over an angle of 360° allowing a wide surface of diffusion.

Weight: 190 g	Operating voltage: 12Vdc to 48Vdc
Dimension: Ø 104; 84 mm	Consumption: 88mA under 24Vdc 94mA under 48Vdc
Material: ABS	Frequency: 0,6 Hertz
IP rating: 21	Operating Temperature: 0°C to 50°C with relative humidity < 93%

AVS 2000 FLASH: can be connected to the sounders of the SD3 range 05 on conformity with the norm EN 54-3.
Because of its specific technology, it is recommended to install the device on the wall and to imperatively set the visual peak in direction to the ground to benefit from the best visual broadcasting possible.
Its red color allows to adapt the device in most kind of environment.
The AVS 2000 FLASH works thanks to a high luminosity embedded led over an angle of 120°allowing a large surface of coverage.
**EN54-3 according to CPD**

Weight: 50g	Operating voltage:12Vdc to 48Vdc
dimension: 130 x 109 x 37 (H x W x D)	Consumption: 88mA under 24Vdc 94 mA under 48Vdc
Material: ABS	Frequency: 0,6 Hz
IP rating: 21	Operating Temperature: 0°C to 50°C with relative humidity <90%

A world of fire detection equipment

AVS2000, AVSFLASH, AVS2000 FLASH

Sounders and Beacons

AVS 2000/W, AVS 2000/R

IN+

IN-   JP1*

OUT+   JP3**

OUT-
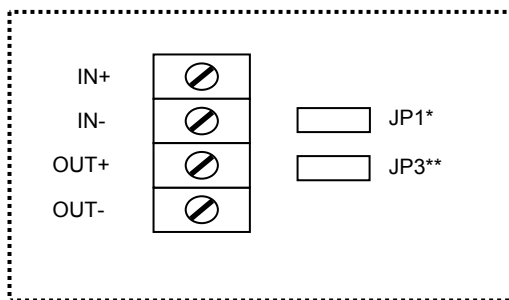
* Max sound level: jumper CV1 on
** Min sound level: jumper CV1 and CV3 on

AVS FLASH, AVS 2000 FLASH
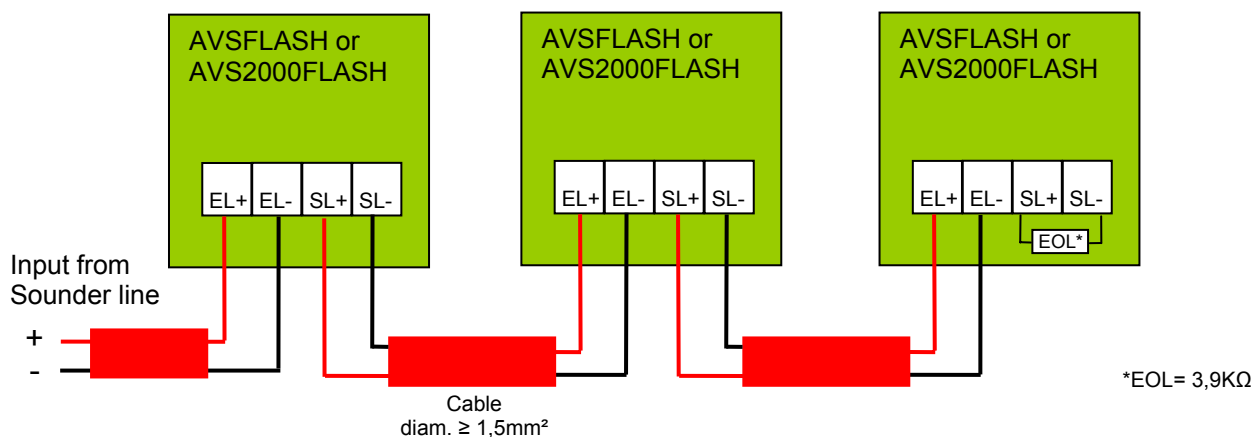
AVSFLASH or AVS2000FLASH

AVSFLASH or AVS2000FLASH

AVSFLASH or AVS2000FLASH

EL+ EL- SL+ SL-

EL+ EL- SL+ SL-

EL+ EL- SL+ SL-

EOL*

Input from Sounder line

+

-

Cable
diam. ≥ 1,5mm²

*EOL= 3,9KΩ

REFERENCE	DESCRIPTION
AVS 2000/W	High powered piezoelectric sounder for indoor use (white color), possibility to select 6 tones, lateral hearings, 95db @ 1 m
AVS 2000/R	High powered piezoelectric sounder for indoor use (red color), possibility to select 6 tones, lateral hearings, 95db @ 1 m
AVS FLASH	Xenon beacon high luminosity with 360° angle, from 12Vdc to 48Vdc
AVS 2000 FLASH	Combined sounder and flash for indoor use, 95db @ 1m.

Sounders, Flash and beacon

4485: Combined sounder and flash for outdoor use (red color, IP65, 101 db @ 1m, EN54-3 according to CPD
Providing an audio-visual warning, 4485 combines the features of an Electronic sounder with a fully integrated Xenon beacon. The result is an attractively designed unit suitable for installation in internal or external locations where a combination of high sound output and visual indication is required, such as elderly people's dwellings and areas with high ambient noise levels.

Supply Voltage: 18 to 30Vdc(nominal 24Vdc)	**Rated Current:** 68mA
Sound output at 1m: 101dB	**Lamp:** Xeno 0,7J
Flashlight frequency: 60/min	**Material:** Thermoplastic (red)
Dimensions: (h)121mm x (d) Ø 93mm	**Ip rating:** 65

531024 – 1019: Xenon outdoor beacon high luminosity with 360° angl, from 9Vdc to 60 Vcc, IP65.
531024 – 1019 have been designed to overcome the problems of high current pulses commonly associated with conventional xenon flash tube units. To eliminate the need for heavy duty power supplies and to prevent fuses failing. 531024 – 1019 is base compatible with 4485 sounder and is suitable for internal or external use. 531024 – 1019 has been designed to complement other products in the range both technically and aesthetically. To provide a high output audio visual unit. The beacon have a built in terminal block for ease of installation. Its lens colour is red.

Supply Voltage: 20 to 30Vdc (nominal 24Vdc)	**Rated current**: 45mA
Flashlight frequency: 60/min	**Lamp:** 0,65 J Xeno
Material: Thermoplastic (red)	**Dimensions:** (h)105mm x (d) Ø 93mm
Ip rating: IP65	**Operating temperature**: -20°C to +55°C

S/EKO F24: Self powered outdoor sounder with flash, IP34, 24Vdc.
Multi-tone piezoelectric sounder with high acoustic power and high-visibility Xeno flashlight. Its classic and functional aesthetics is suitable for residential, commercial and industrial environments. Available in red for fire systems.
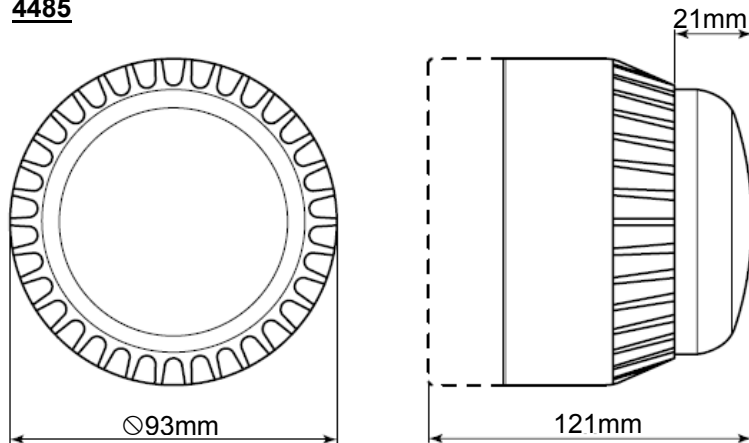
Supply Voltage: +24 Vdc	**Rated current:** 4mA
Frequency: 1300 – 2700 Hz	**Sound output at 3m:** 101dB
Battery capacity: 12V, 2.3Ah max.	**Dimensions:** 200 x 200 x 70 (H x L x D)
Weight: 2800g	**Operating temperature:** -25°C to +55°C
IP rating: IP34	

A world of fire detection equipment

Sounders, Flash and beacon

4485

⌀93mm   121mm   21mm

531024 – 1019

Ø21   Ø93

⌀93mm   105mm   A
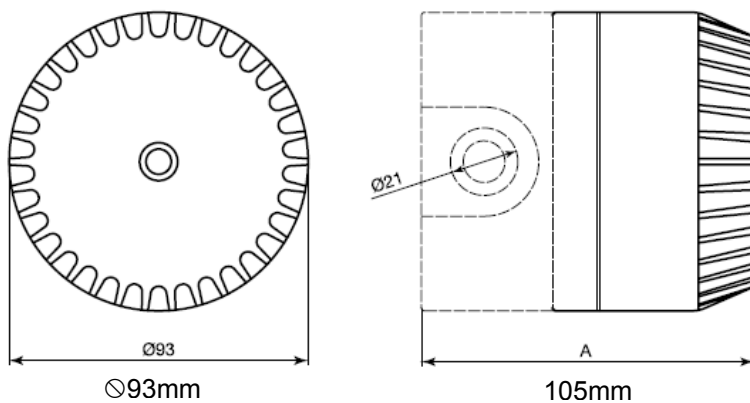
Block connector

S/EKO F24

	n.c.
	n.c.
Command +24V	START
Supply +24V	+24Vdc
+12V battery	+ BATT.
0V battery	- BATT.
0V GND	GND
Command 0V for reset.	RST
	SPEAK
	SPEAK

JP7 *
JP6
JP5
JP4
JP3
JP2
JP1
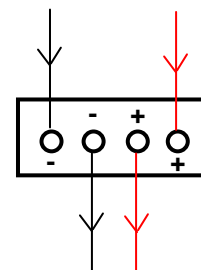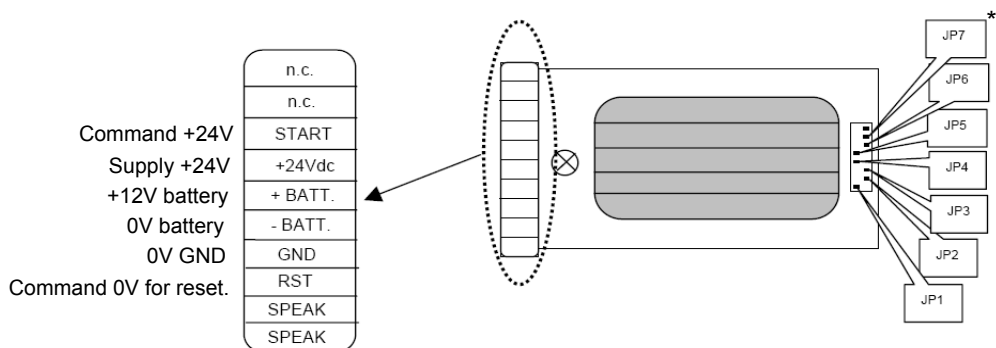
*Jumpers used for audio and visual frequency information

REFERENCE	DESCRIPTION
4485	Combined sounder and flash for outdoor use
531024 - 1019	Xenon outdoor beacon high luminosity with 360° angle
S/EKO F24	Self powered outdoor sounder with flash

Red evacuation bells
Internal and external use

- **4476-24:** *Red Internal bell, 93 dB, 24Vdc.*
- **4479-24** *Red external bell 6 inches, 93dB, 24Vdc.*

4476-24 Red internal bell:

Combining good styling with functional efficiency, a range of motorised bells suitable for most fire alarm and security applications. 4476-24 incorporates a highly efficient rotatory centrifugal movement combining high sound output with low current consumption,
bell is ideal for use in hotel bedrooms where a sound level of 75 dB(A) is required at the bedhead. All bells have centre gong disk which can be customised by printing a company name or logo.
- Indoor use
- Steel home
- High-yield motor
- Low current consumption

Dome material: Enameled steel, red colour	**Voltage allowed:** 18 to 30 Vdc
Base material: Polycarbonate, black colour	**Current consumption:** 25mA at 24Vdc
Connection type: 4 x 2,5mm² terminals	**Acoustic output @ 1m:** 93/95 dB
Operating temperature: -10°C to + 50°C	**Diameter x height:** 150mm x 60mm
Protection degree: IP 42	**Weight:** 0,85 Kg

4479-24 Red external bell:

A unique, patented alarm bell designed for use in fire, alarm, security, industrial and other signalling systems. The combination of a miniature solenoid with an integrated control circuit ensures excellent sound coverage, minimum current consumption and increased reliability. Easy and quick mounting thanks to the snap hook of the dome and the split power supply terminals. The protection degree IP 55 allows outdoor use, but thanks to its particularly fine aesthetics, it is highly suitable also for all applications including the most prestigious locations.
- Outdoor use
- Steel dome, 6'' diameter
- Integrated control circuit
- IP55

Dome material: Enameled steel, red colour	**Voltage allowed:** 18 to 30 Vdc
Base material: Polycarbonate, black colour	**Current consumption:** 30mA at 24Vdc
Connection type: 4 x 2,5mm² terminals	**Acoustic output @ 1m:** 93/95 dB
Operating temperature: -10°C to + 55°C	**Diameter x height:** 155mm x 85mm
Protection degree: IP 55	**Weight:** 1,1 Kg

SD3
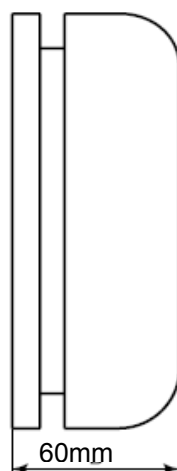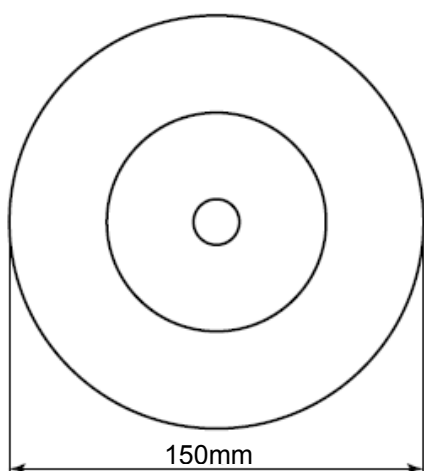A world of fire detection equipment

4476-24 & 4479-24

Red evacuation bells
Internal and external use

Diagram and connections

4476-24

150mm

60mm

Block connector

- - + +

4479-24

155mm

85mm
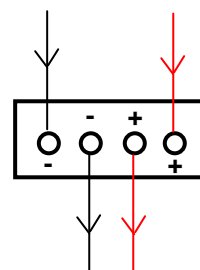
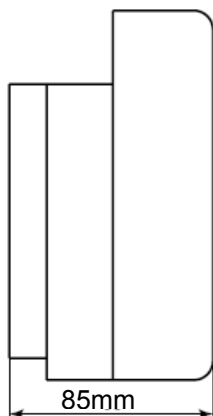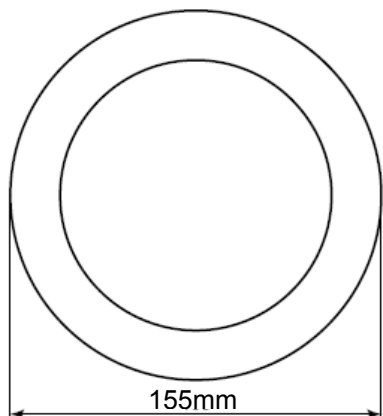
REFERENCE   **DESCRIPTION**
4476-24   Red internal bell, diameter 150 mm, 93db, 24 Vdc
4479-24   Red external bell, 6 inches diameter, 93 db, 24 Vdc

A world of fire detection equipment

Non contractual document

Information, direction and emergency lighting

ALTO-DA1B00X

Modern design information and direction lighting component. Made of an illuminated, fire resistant acrylic cover on a thin compact casing. And accessorised for easy installation.
The Alto series component has a green led indicator for power supply presence. Ni-Cd battery for 1 to 3 hours operation in emergency status, resistant tohigh temperature and protected against overcharge and discharge.

Battery	Ni-Cd resistant to high temperature, overcharge and discharge
Ambient temperature	Sustained model: -5°C…+45°C
	Non maintained: 0°C… +45°C
Operating voltage	230V/50-60Hz +/-10 %
IP index	40

MARINA-DA3B0X

Modern design with rounded corners emergency light. Mounted in a thin compact polycarbon white casing and a transparent polycarbon diffuser and accessorised for easy installation on wall or ceiling.
The Marina series light has a green led indicator for power supply presence Ni-Cd batteriesresistant to high temperature and protected against overcharge and discharge.

Battery	Ni-Cd resistant to high temperature, overcharge and discharge
Ambient temperature	Sustained model: -5°C…+45°C
	Non maintained: 0°C… +45°C
Operating voltage	230V/50-60Hz +/-10 %
Lamp type	T1 6/8W
IP Index	65

FENER-2210107X

Emergency lighting fixture with adjustable spot light, batteries and integrated control circuit. Easily mounted on wall or ceiling. Maintenance free. Automatically operational when power supply fails. Green, yellow and red led for status indication. Makes the evacuation easy with illuminating exit points in fire incident.

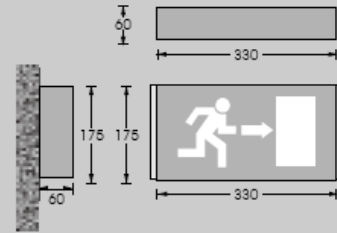| Battery	12V no leakage. Maintenance free, temperature, overcharge and discharge protection.
Ambient temperature	Sustained model: -5°C…+45°C
	Non maintained: 0°C… +45°C
Operating voltage	230V/50-60Hz +/-10 %
Lamp type	T1 6/8W
IP Index	65

SD3

A world of fire detection equipment

Information, direction and emergency lighting

ALTO-DA1B00X

DA Wall-mounted

60
330
175 175
60 330
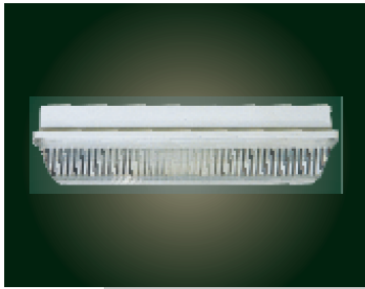
MARINA-DA3B0X

TD Ceiling bracket-mounted
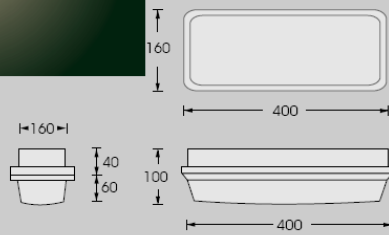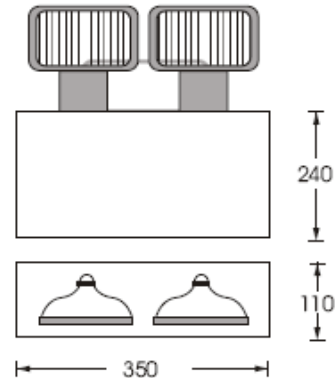
160
400
160
40
60
100
400

FENER2210107X

240
110
350

REFERENCE	DESCRIPTION
ALTO-DA1B00X	Information and direction lighting, IP40, sustained double sided 3 hours.
MARINA-DA3B0X	Emergency light non maintained single sided 3 hours (exists also in sustained), IP65.
FENER-2210107X	Emergency light 1 hour(exists also in 3 hours), 2 halogen lamps 20W (exists also in 1), 12V 7Ah battery

Non contractual document

Liquid, flooding and moisture detectors

1450: Flooding and moisture detector

The 1450 has a sensor detecting water through 4 gold-plated supporting feet. It is normally used for the protection against the flooding of computing centres, boiler rooms, offices, laboratories, etc. It cannot be used with inflammable liquids.
The device is available with 12 or 24V DC power supply, is equipped with changeover relay output to control telephone combiners, alarm sirens, etc. In addition, it can be connected to several external feelers 1450 S (up to 10). For higher protection, it is also equipped with a moisture detector, whose sensitivity can be regulated with internal trimmer.

Power voltage: 12/24V DC	Color: white
Max. consumption: 30 mA	Weight: 0,16 Kg
Output: changeover relay, max. 1A, 30V DC	Operating temperature: +5°C to + 50°C
Packaging: 2 pcs/pack.	Ip rating: IP 40

2450: IP 65 liquid detector

The 2450 has a sensor detecting water on the floor through 2 gold-plated supporting feet. It is normally used for the protection against the flooding of computing centres, boiler rooms, offices, laboratories, etc. The sensor, contained in an aluminium case with epoxy white painting, is equipped with a steel support that allows to detect liquids at heights ranging from 0 to 11 mm according to the specific need. In case of alarm, the relay changes status and the integrated signalling LED lights up. Remote testing and inhibition functions. The sensor circuit is oscillating to prevent electrolysis and corrosion problems.

|	
Power voltage: 12/24V DC	Color: white
Consumption at rest: 16mA @ 12V DC, 21mA @ 24V DC Consumption in alarm: 38mA @ 12V DC, 49mA @ 24V DC	Operating temperature: -15°C to +70°C
Output: Changeover relay, max. 1A, 30V DC	Ip rating: IP67
N° of wires: 7	Package weight: 0,89 Kg
Cable length: 4m	Packaging: 1 pcs/pack.

A world of fire detection equipment

1450 & 2450

Liquid, flooding and moisture detectors

1450: Connectors and characteristics
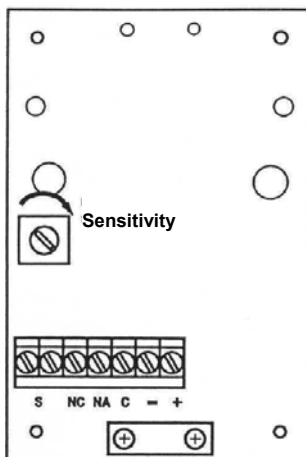
1450 connectors	
NC	Common relay
NA	Normally open relay
C	COM relay
-	Power supply negative
+	Power supply positive
S	Probe

Sensitivity

S NC NA C − +

2450: Connectors and characteristics
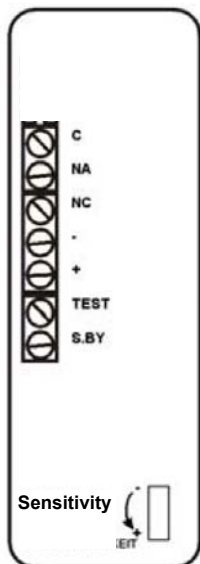
2450 connectors	
Grey – C	Common relay
Orange – NA	N.O relay
Green – NC	N.C relay
White – (-)	Power supply negative
Red – (+)	Power supply positive
Black - TEST	Test
Blue – S.BY	Stand-by
Yellow	Not used

C
NA
NC
-
+
TEST
S.BY

Sensitivity

REFERENCE	DESCRIPTION
1450	Flooding and moisture detector with free voltage contact relay, 12/24V
2450	IP 67 liquid detector with free voltage contact relay, 12/24V

A world of fire detection equipment

Non contractual document

Phone transmiters

DA4: Phone dialer with 4 inputs and 4 voice messages. Can work as an accessory controlled by a control panel or as stand alone with detector directly connected to the input. 1 voice message of 10s max. activated from 24V or 0V signal. Safe storage of the message in EEPROM non volatile memory. Optoelectronic circuitry, output relay and open collector for interfacing with external drives.

Supply Voltage: 10,8 – 14,6 Vdc (12V typical)	**Supply current:** min. 30mA Max: 160mA
4 Report output active 12V or 0V	**4 Open collector output max 1A**

GSM 31 GPRS: GSM/GPRS communicator (with metal enclosure, GSM antenna and power supply). Can be used as accessory controlled by a control panel or used stand alone as alarm unit. It can be used as backup for telephone line in case of fault. Needs a SIM card.
Allows to transfer general informations from the fire detection panel through GSM/GPRS messages (SMS).
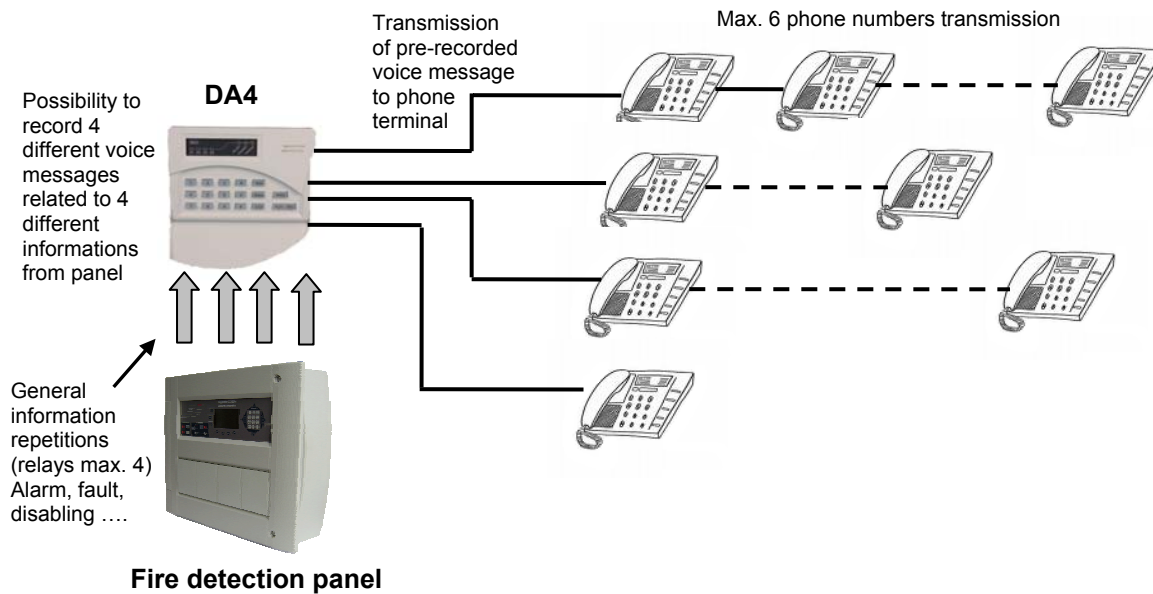
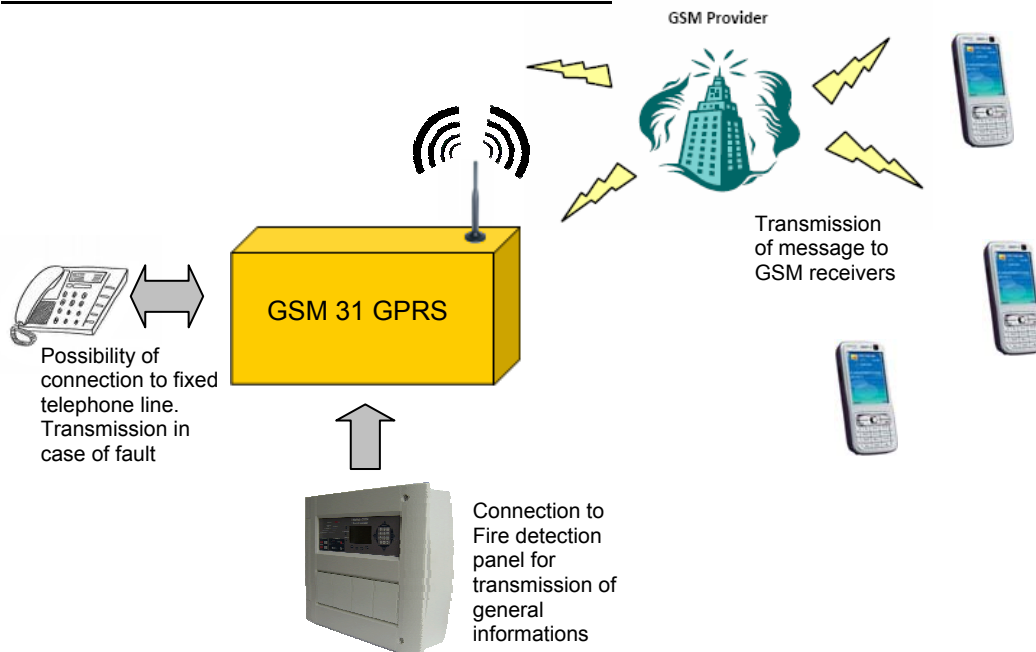|	
Supply Voltage: 220 Vca	**Max current consumption at 12Vac: 300mA**
Rechargeable battery: 12V/7Ah	**Avrage current consumption at 12Vac: 130mA**

SD3
A world of fire detection equipment

Phone transmiters

DA4 Communicator function overview

Possibility to record 4 different voice messages related to 4 different informations from panel

DA4

Transmission of pre-recorded voice message to phone terminal

Max. 6 phone numbers transmission

General information repetitions (relays max. 4) Alarm, fault, disabling ….

Fire detection panel

GSM 31 GPRS Communicator function overview

GSM Provider

GSM 31 GPRS

Transmission of message to GSM receivers

Possibility of connection to fixed telephone line. Transmission in case of fault

Connection to Fire detection panel for transmission of general informations

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REFERENCE	DESCRIPTION
DA4	Phone dialler with 4 inputs and 4 voice messages
GSM 31 GPRS	GSM/GPRS communicator (with metal enclosure, GSM antenna and power supply)

A world of fire detection equipment

Non contractual document