ENGLISH

Product Safety Guide FS4000-2/4/6/8

UniPOS fire alarm sysrems
www.unipos-bg.com

Before use, read the instructions carefully!

Please read this guide and FS4000 instruction manual before attempting to operate the product, or before attempting any maintenance.
Failure to follow these instructions may result in an increased risk of personal injury or damage to property, including through fire, electrical shock, burns or suffocation. UniPOS shall not be liable for damage caused where the product owner has failed to follow the instructions set out in this guide and FS4000 instruction manual. Read all the instructions. Save them for later reference.

NOTE: Only people who have access level 3 and 4 /according EN-54/ and they are skilled /according EN 62368-1/ are authorized to do installation, initial start, changing the settings and repairing of the fire control panel!

Symbols and conventions

FUSE 250 V a.c./4A
(under cover)
Type: 5 x 20 mm,
Time-Lag Fuse, F4AL250V

Fuse symbol
Before replacing the fuse, instantly the mains shall be disconnected from the mains board in order to de-energize the phase conductors. The FS4000-2/4/6/8 equipment is permanently connected equipment and it must be connected to an all-pole mains switch, incorporated in the electrical installation of the building.

DANGER
220 V a.c./0.25 A
50/60 Hz

DANGER symbol
Dangerous voltage under the grey colour cover – single pole 220 V a.c.; 50/60 Hz.

Equipment class I - PE symbol
Connection of the equipment protective earthing conductor to the installation protective earthing conductor in the mains board.

Hazardous waste
Dispose all the electronics and batteries from this equipment with care.

Pb

Label symbol
Meets the Pb-free requirements/definitions adopted by the RoHS Directive 2002/95/EC – lead level in any of the raw materials and the end product is less than or equal to 0.1% by the weight.

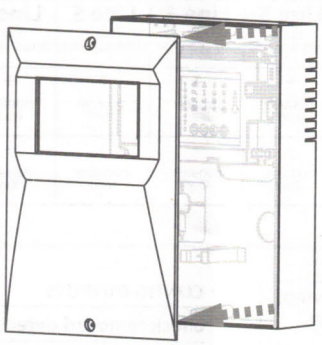
Basic hazards

ES3 / PS3

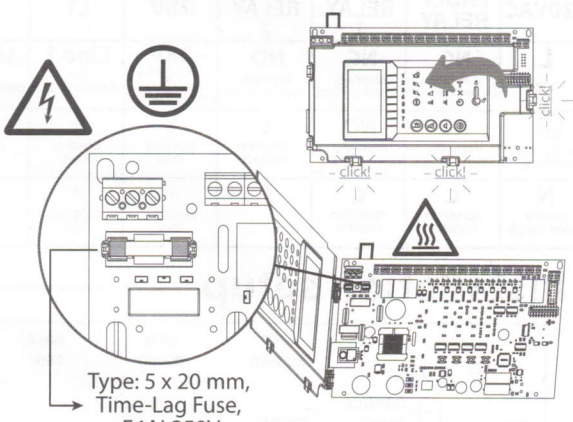
Before removing any of the safeguards below,please turn off the all-pole main switch in the mains board of the building.

C10A-DC

The FS4000-2/4/6/8 equipment must be permanently connected to a dedicated single pole, 16 A, curve C circuit breaker, installed in the building's main board.



Basic safeguard (front cover)

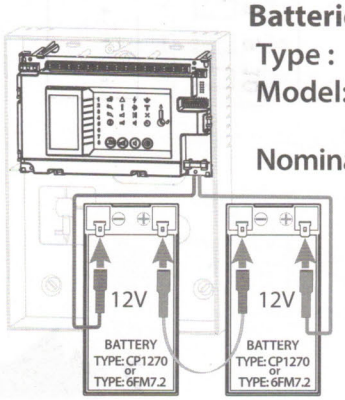


Type: 5 x 20 mm,
Time-Lag Fuse,
F4AL250V

Reinforced saveguard
(frontside and backside PCBA lids)

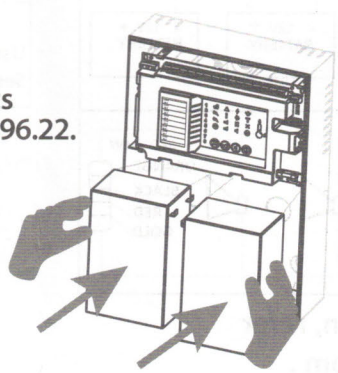
Maintenance

Back-up batteries must be provided in addition, from the installation company.



Batteries

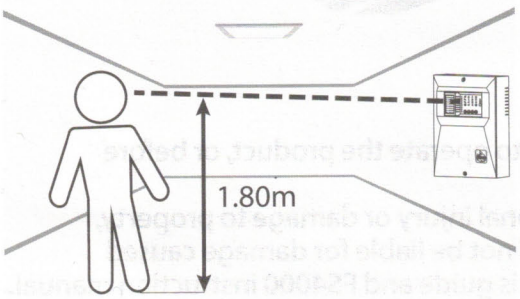
Type : lead, gel electrolyte
Model: CP1270 or equivalents compliant with EN 60896.22.
Nominal: 12 Vdc. 7 Ah



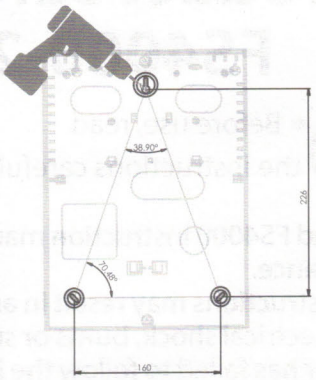
After the installation of the accumulator batteries, the charge voltage limited to 28,0 V d.c. / 1.5 Amps will apply to the leads of the batteries.

Installation and Maintenance

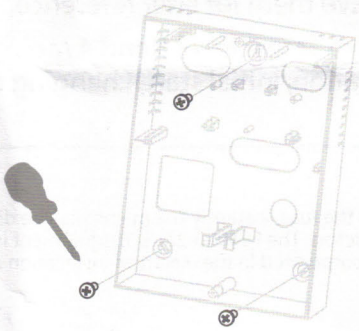
Steps to install



The height of the indication must be 1,8m.



The bottom of the cabinet is mounted on the wall with 3 pcs. of sets of screw with dowel.



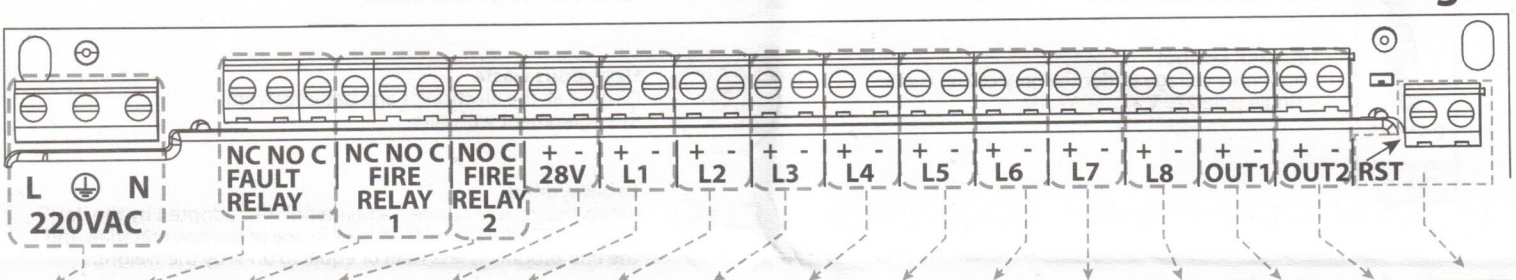
The screw and dowel should be relevant to the type of the wall (concrete, bricks, drywall, etc.).

Minimum load capacity of each fasteners : 25 N
Distribute the load on each of the fasteners evenly.

Note

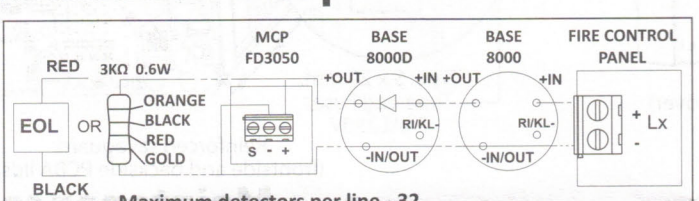
This equipment shall not be used in locations where children are likely to be present.

Terminal markings



220VAC	FAULT RELAY	FIRE RELAY 1	FIRE RELAY 2	28V	L1	L2	L3	L4	L5	L6	L7	L8	OUT1	OUT2	RST
L line	NC normally closed contact	NC normally closed contact	NO normally open contact	28V voltage for supply to external device	Line 1 fire detection line	Line 2 fire detection line	Line 3 fire detection line	Line 4 fire detection line	Line 5 fire detection line	Line 6 fire detection line	Line 7 fire detection line	Line 8 fire detection line	monitored output 1	monitored output 2	reset fire input
protective earthing	NO normally open contact	NO normally open contact	C common contact	+ positive lead	+ positive lead	+ positive lead	+ positive lead	+ positive lead	+ positive lead	+ positive lead	+ positive lead	+ positive lead	+ positive lead	+ positive lead	input lead
N neutral power supply	C common contact	C common contact		- negative lead	- negative lead	- negative lead	- negative lead	- negative lead	- negative lead	- negative lead	- negative lead	- negative lead	- negative lead	- negative lead	input lead

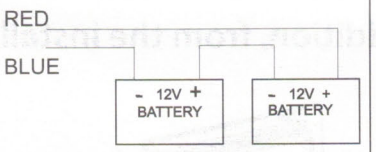
Installation setup

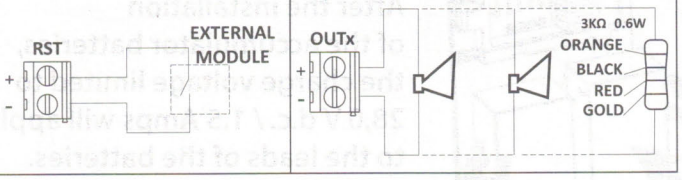


Maximum detectors per line - 32

Current threshold for:

0 - 6 mA	- Fault condition
6 - 16 mA	- Duty mode
16 - 80 mA	- Fire condition
> 80 mA	- Short circuit



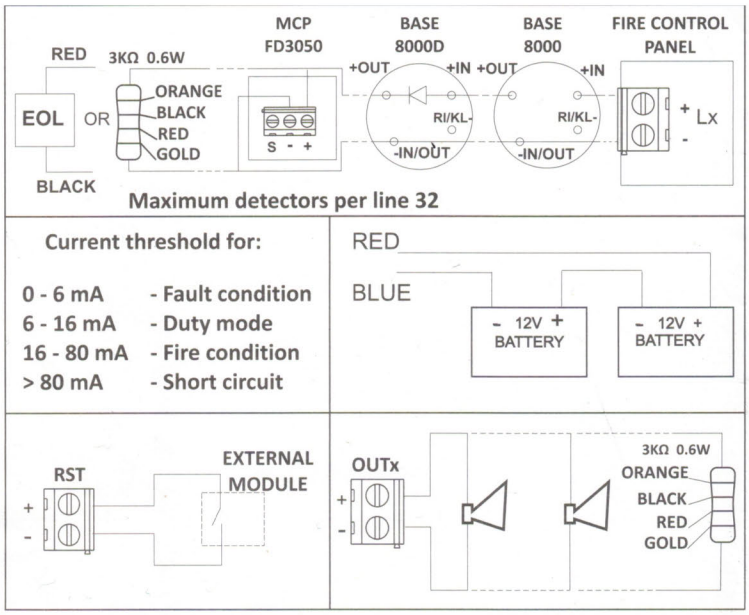


CONFIG OUTPUTS

OFF 1-10 ON DIP

Check removed detector	Enable	1 ON	Disable
Earth detection	Enable	2	Disable
Time delay See Instrution manual, table 4	-	3	-
	-	4	-
	-	5	-
Not used		6	
Communication interface RS485	Disable	7	Enable
User combinations See Instrution manual, table 5	-	8	-
	-	9	-
	-	10	-

For more information, refer
www.unipos-bg.com ,
Instruction manual



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CONFIG OUTPUTS		OFF 1-10 ON DIP	
Check removed detector	Enable		Disable
Earth detection	Enable		Disable
Time delay See Instrution manual, table 5	- - -		- - -
Direct mode setup on AL3	Enable		Disable
Communication interface RS485	Disable		Enable
User combinations See Instrution manual, table 6	- - -		- - -

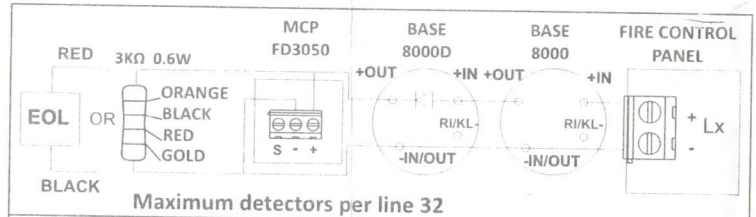
new (3K) revision

INDICATIONS

FIRE	SYSTEM FAULT	FAULT MAINS	FAULT EARTH
FIRE NETWORK	FAULT	FAULT BATTERY	TEST
FAULT NETWORK	FAULT SOUNDERS	FAULT INTERNAL	DISABLE
POWER ON	SOUNDERS SILENCED	INT. BUZZER SILENCED	DELAY OUTS

BUTTONS

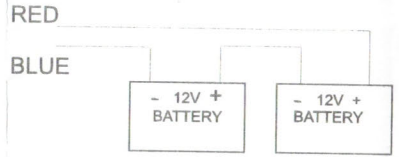
RESET FIRE	SILENCE SOUNDERS	MUTE INT. BUZZER	LED TEST

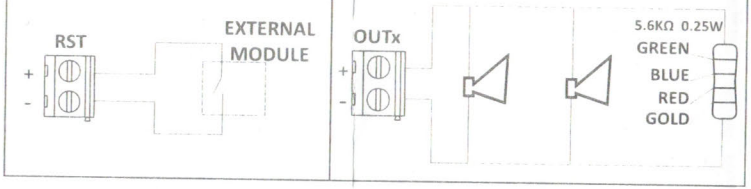


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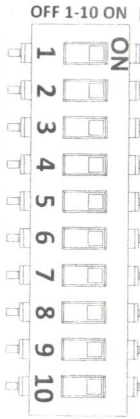


For more information, see www.unipos-bg.com , Instruction manual

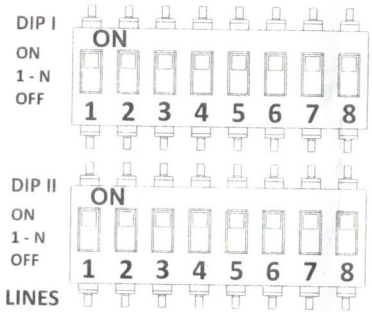
old (5K) revision

CONFIG OUTPUTS

Check removed detector	Enable
Earth detection	Enable
Time delay See Instrution manual, table 5	- - -
Monitored outputs	Enable
Communication interface RS485	Disable
User combinations See Instrution manual, table 6	- - -



Disable	
Disable	
-	
-	
-	
Disable	
Enable	
-	
-	
-	



CONFIG LINES

Line N	N=1 - 8	
MODE	DIP I	DIP II
Duty mode	OFF	OFF
Test	OFF	ON
Disabled line	ON	OFF
Duty mode with direct activation of Fire 2 stage	ON	ON