COMPALARM B

GENERAL

COMPALARM B is an alarm system conceived with the aim of optimising the space saving so as to enabling its installation in standard civil buildings. It doesn't need of electric panel, and it can be housed in a fl ush mounting box.

A surface-mounting version is also available. This system is suitable for the control of 6 points, with information received from voltage free external contacts, either normally open (NO) or normally closed (NC). The selection of contact types is made by means of dipswitches, placed inside of the device. Displaying of alarm condition is obtained through LED, whilst the acoustic is blown by an internal buzzer. Every alarm point is also provided with a changeover contact, which repeats with accuracy the input contact condition, for eventual remote repeating requirement. An output relay for possible repeating of acoustic signal is also available.

"**COMPALARM B**" is also provided with a particular operative logic, which allows its installation in unattended places. This, because after a certain period of persisting alarm condition, the acknowledgement takes automatically place. The automatic acknowledgement is clearly to affect the acoustic signalling, whilst keeping the optical indication of an alarm, unchanged.

As far as its construction is concerned, "**COMPALARM B**" is practically immune to disturbances, due to its optoisolators separation, between the external contacts and internal circuits on alarm inputs. So as to the relays separation, between the internal circuits and the eventual remote repetitions.

OPERATION

When powering the unit or when returning from a Voltage black out, the alarm system comes to rest, i.e. without optical nor acoustic signalling. When the input contacts change position, due to a signal reception, "**COMPALARM B**" becomes active, with LEDS flashing. The relay is excited making the buzzer to blow intermittently. After the manual acknowledgement, the buzzer will remain silent, and the light will be kept fi xed, in case of the failure still existing. Otherwise, if the problem is over, the light will be Off. The fi x lighted LED keeps on until the external contact comes back to normal condition, switching the LED off, therefore: Shouldn't the acknowled-

gement be made, the buzzer will start some series of blowing periods. First will blow for 15 sec. and will rest for 20sec. Second will blow for 12 sec., and rest for 20 sec.. Third blows for 10 sec., and will rest for 15 sec., after that will fi nally blow for 8 seconds and it will defi nitely stop. Nevertheless, the associated LED's to the alarm points will keep fl ashing, up to the next manual acknowledgement or coming back from voltage black out. All this allows an accurate supervision, on all events of the alarm system by the operator, even during unattended service time.

ELECTRICAL CHARACTERISTICS

Auxiliary power supply		**220V 50 Hz**
Self-consumption		**5 VA**
Alarm sequence		**ISA1**
Input contact		**N.O. or N.C. Selectable by means of dipswitch**
1 changeover output contact per alarm point, which allows the repetition of the input contact position	**Contact power** **Commuting voltage** **Commuting power**	**5A** **250V a.c. or 110V d.c.** **960VA or 120W**
Optical signal for presence of auxiliary supply		**Green LED**
Optical signal of alarm		**Red LED**
Acoustic signaling		**With internal buzzer or with a change over relay for remote repetition**
Sequence test push button		**Built in**
Push button for acknowledgment		**Built in**
Working temperature		**-10°C ÷ + 60°C**
Storing temperature		**-20°C ÷ + 80°C**
Relative Humidity		**90%**
Isolation test		**2kV 60 seconds**

MICROENER

ALARM SYSTEMS

ALLARMI TECNOLOGICI
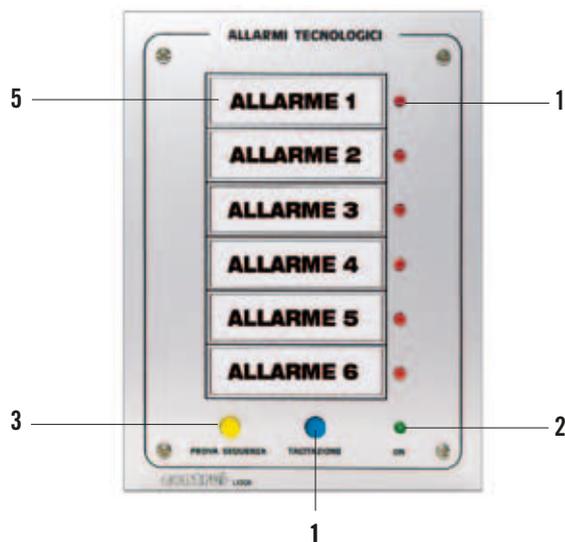
1	Tripped alarm signal with red LED
2	Auxiliary supply presence with green LED
3	Sequence test push button
4	Push button for acknowledgement
5	Alarms description printing plate

DIMENSIONS

6S
12S

190   105   2   280

6I

170   150   220   75   2   200

WIRING DIAGRAM

C1   C2   C3   C4   C5   C6

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

R1   R2   R3   R4   R5   R6

A B

Uaux 220 V

1 2 3

S.A.
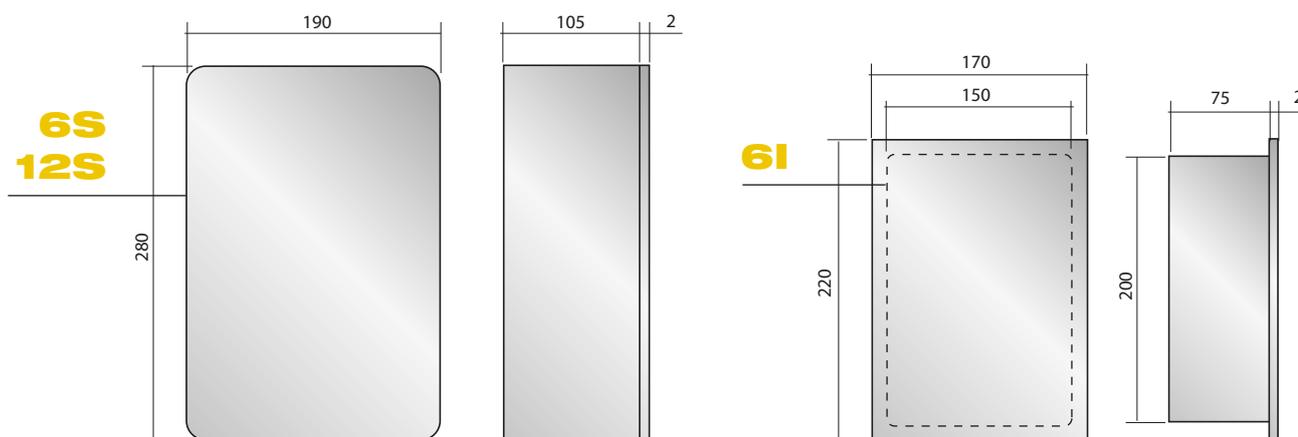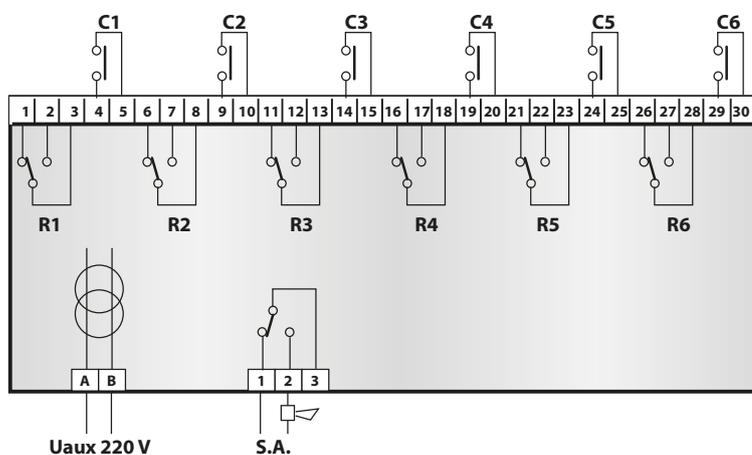
C1 ÷ C6	Alarm input contacts
S.A.	Remote acoustic signaling (on request)
R1 ÷ R6	Repeating relays

MODELS	COMPALARM B6I	version with 6 alarm points, wall mounting
	COMPALARM B6S	version with 6 alarm points, version in box for against a wall mounting
	COMPALARM B12S	version with 12 alarm points, version in box for against a wall mounting

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