

SW1 - SERIAL BUS SPEED AND TAMPER

The electronic board can work both with standard bus speed (9,600 baud) or quick bus speed (38,400 baud). The standard bus accepts 4 bit addresses (max. 15 modules), the quick bus accepts 6 bit addresses (max. 63 modules). The dip-switch 7 determines the bus speed. The dip-switch 8 permits disabling of tamper.

Selection of bus speed

DIP 7 OFF	Functioning with standard bus (9,600 Baud)
DIP 6 OFF	
DIP 5 OFF	Functioning with TP8-64

DIPS 1-2-3-4 - ADDRESSES FOR STANDARD BUS															
	1	2	3	4	Address	1	2	3	4	Address	1	2	3	4	Address
ON					0					4					8
ON					1					5					9
ON					2					6					10
ON					3					7					11
															</

ATTENTION - Do not use the addresses 0 and 15.

DIP 7 ON	Functioning with quick bus (38,400 Baud)
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DIPS 1-2-3-4-5-6 - ADDRESSES FOR QUICK BUS																		
		1	2	3	4	5	6	Address			1	2	3	4	5	6	Address	
ON								0			ON							63

ATTENTION - Do not use the address 0.



ATTENTION

Never connect two modules with the same address. Further restrictions regarding addressing may follow from the control panel connected to.

Tamper

DIP 8 ON	Tamper excluded
DIP 8 OFF	Tamper enabled

TECHNICAL DATA

Device:	LCD300/S
Description:	LCD console with speaker
Tamper protection:	2 microswitches (antiopening and antidetachment)
Connection:	Serial bus RS485
Operating voltage:	Rated 12V  Min. 10V  Max. 14V 
Consumption:	Stand-by 14mA Operating mode 48mA Max. 85mA (120mA) (with permanently backlit display)
Operating temperature:	+5°C...+40°C
Design:	<i>pininfarina</i>



LCD300/S

CONTROL UNIT WITH LCD DISPLAY AND SPEAKER

PRODUCT DESCRIPTION

Release: 0.5
Last update: December 2003
Language: English



LCD 300/S - LCD console

It is composed of a rubber keypad with 16 keys, 36 LEDs and a backlit LCD display with 2 lines of 16 alphanumeric characters each.

The console must be connected via serial bus RS485 and configured by means of the dip-switch SW1.

The console LCD300/S provides in addition to the standard features a loudspeaker for vocal signaling.

CONSOLE DIAGNOSTICS

In case of bad functioning of the serial line RS485, fault of the console or special operating modes, the console provides the following diagnostics:

- Console fault or serial bus missing
All LEDs blink and on the display is viewed:
LINE ABSENT
- Console waiting
If one console is working the others are disabled and on the display is viewed:
!! STAND BY !!
- Interferences on serial bus
If there are interferences on the serial bus or the bus is badly connected, on the display is viewed:
LINE DISTURBED

The messages are viewed every 10s and for the time the above operating mode is persisting.

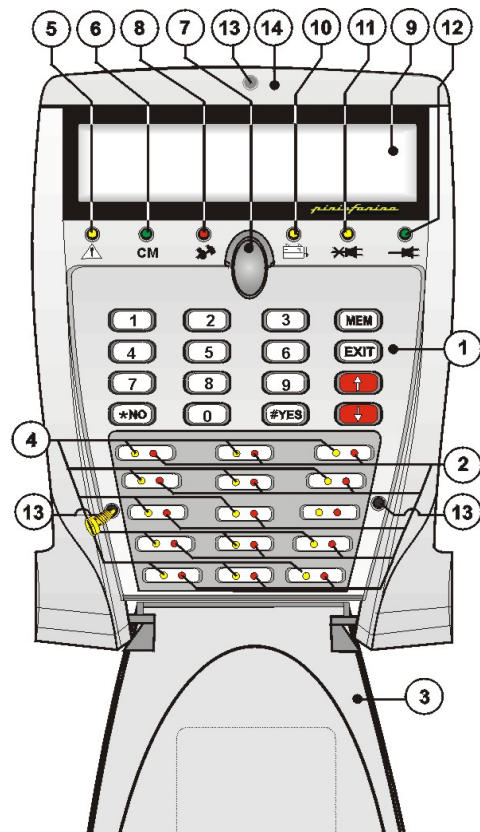
According to programming, they can be viewed in Italian, French, English, Spanish, German.



Tecnalarm

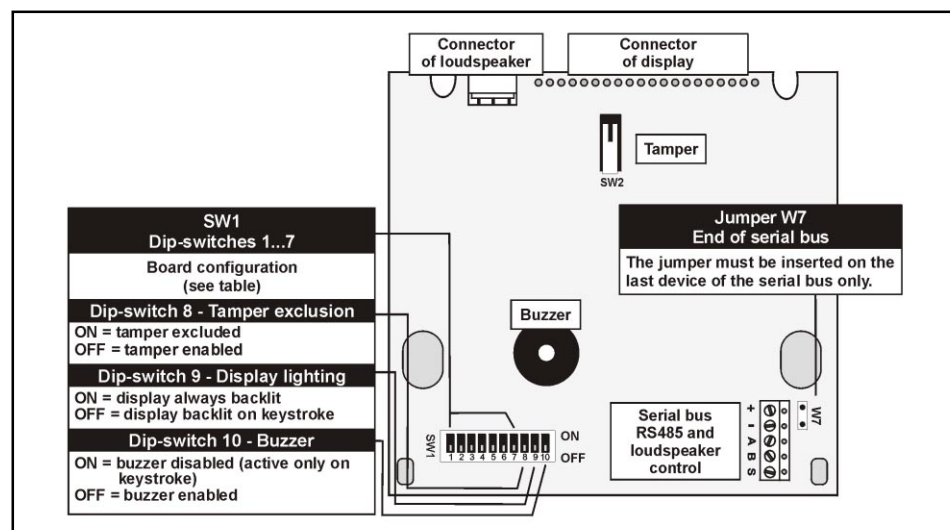
Strada del Cascinotto 139/54
10156 Torino (Italy)
e-mail : tecnoalarm@tecnoalarm.com
www.tecnoalarm.com

FRONT VIEW



1	KEYPAD
2	RED LED - PROGRAM ALARM Off = no alarm blinking = zones of the program in alarm on = alarm memory
3	PLASTIC LID for the protection of the keypad
4	YELLOW LED - PROGRAM STATUS Off = program in stand-by blinking slowly = program partset blinking quickly = program in arming phase on = program armed
5	GENERAL ALARM/TROUBLE LED Off = no alarm blinking = alarm active on = alarm memory
6	COMMAND MODE LED Off = console in stand-by (no key pressed) on = console working
7	PUSHBUTTON for opening of the plastic lid
8	TAMPER LED Off = no alarm blinking = alarm active on = alarm memory
9	DISPLAY indicates date/time or the parameter working on
10	BATTERY LED Off = no alarm blinking = insufficient battery voltage on = alarm memory
11	MAINS LED (230V) Off = no alarm blinking = power failure (230V) on = alarm memory
12	MAINS LED (230V) Off = power failure (230V) on = mains (230V) OK
13	SCREWS
14	PLASTIC CASING

ELECTRONIC BOARD



JUMPER W7 - END OF SERIAL BUS RS485

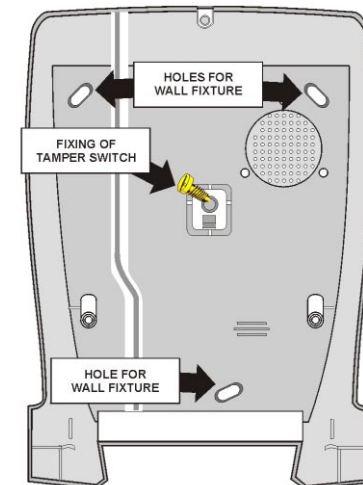
The jumper W7 must be inserted on the last device of the serial bus only. If there is only one console and no other device connected via serial bus, the jumper must be inserted.

FIXTURE

Fix the console to the wall using the slots in the bottom of the casing.

The tamper switch works both as antidetachment and antiopening tamper and is positioned in the center of the electronic board. In the bottom of the casing, there is a plastic rectangle which is to be fixed to the wall by the screw included (fig.) **without removing it from the bottom of the casing**. In case of an attempt at wrenching, it will be broken off the bottom of the casing and release the alarm.

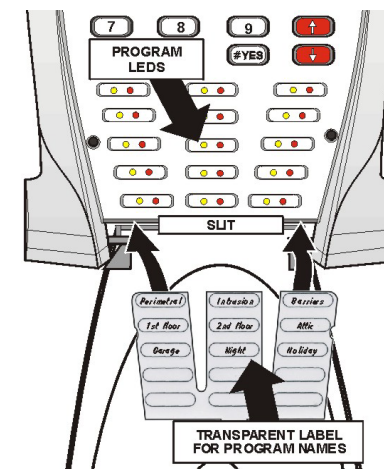
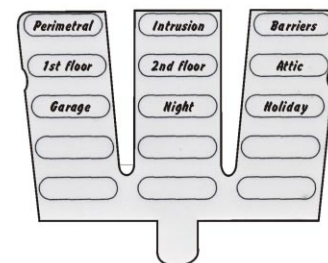
Insert the electronic board in a way that the tamper switch is positioned exactly above the plastic rectangle.



ATTENTION

Do not remove the plastic rectangle from the bottom of the casing.

INTRODUCTION OF THE LABEL



The label for the program names must be written on and introduced by the slit in the lower part of the casing, below the program LEDs and near the hinges of the plastic lid (fig.).



ATTENTION

Write the program names before you introduce the label.