

Selection of bus speed and addresses

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	1	2	3	4	Address
ON					0					4					8					12
ON					1					5					9					13
ON					2					6					10					14
ON					3					7					11					15

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 the module is connected to.

Exclusion of tamper

DIP 8 ON	Tamper excluded
DIP 8 OFF	Tamper enabled

TECHNICAL DATA

Device:
Description:
Tamper protection:

Connection:
Number of inputs:

Operating voltage:
Power supply detectors

Current available for:
Consumption board
Detector power supply
Operating temperature:

SPEED 8 STD
Extension module with 8 inputs
2 microswitches (antiopening and antidetachment)
RS485 bus
8 completely programmable inputs
Rated 12V
Min. 10V
Max. 14V
Max. 35mA
Max. 500mA*
+5°C...+40°C

* For the modules without power supply the current available depends on the power supply unit they are connected to.



SPEED 8 STD

EXTENSION MODULE WITH 8 INPUTS



PRODUCT DESCRIPTION

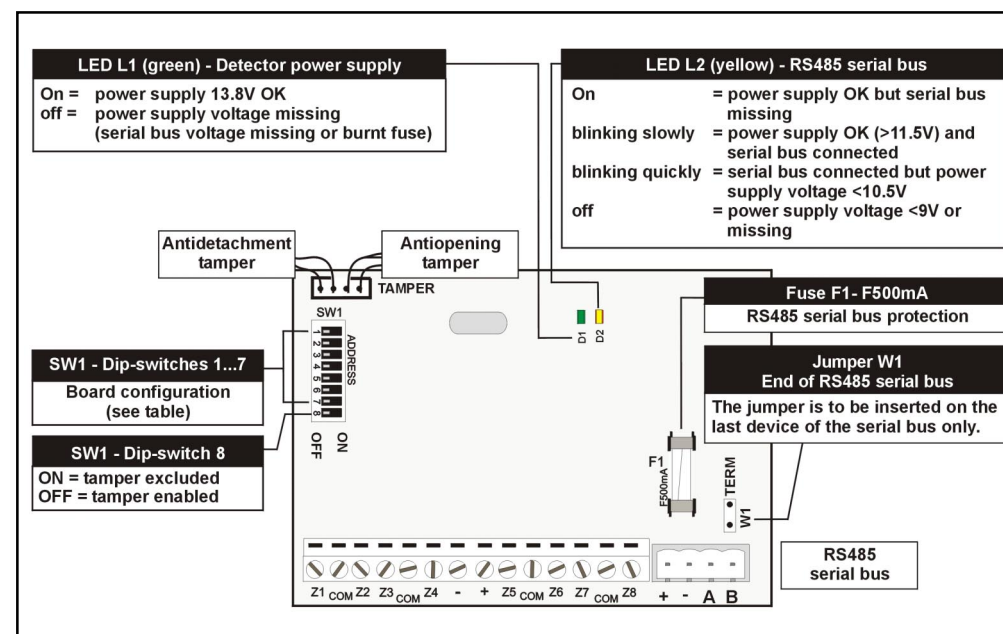
Release: 1.4
Update: December 2003
Language: English

SPEED 8 STD - Extension module with 8 inputs

The extension module is composed of:

- 1 electronic board with 8 inputs (SPEED 8 STD)
- 1 plastic casing (option)
- 2 tamper switches (antiopening and antidetachment)

ELECTRONIC BOARD



Tecnalarm

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

The electronic board must be connected to the RS485 bus. It supplies 8 supplementary inputs. The inputs can be programmed as normally closed (NC), normally open (NA), end-of-line resistor (BIL) or double end-of-line resistor (B24).

ATTENTION

The jumper W1 for end of RS485 serial bus must be inserted on the last device connected in series only.

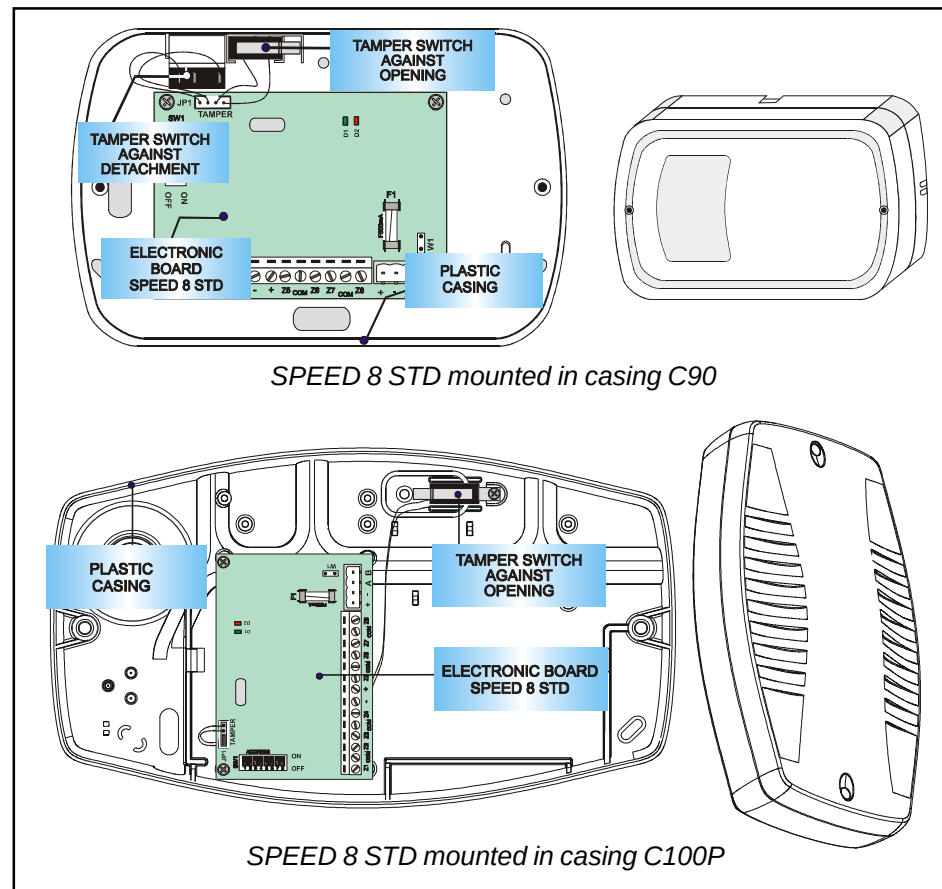
The module SPEED 8 STD does not control any device connected via Tecnoalarm serial bus (e.g. serial barriers).

Terminals

Terminal	Description	Type	Input/output status
Z1	Input zone 1	Input	NC / NA / BIL / B24 / BUS *
COM	Common input	Input	13.8V (DC)
Z2	Input zone 2	Input	NC / NA / BIL / B24 / BUS *
Z3	Input zone 3	Input	NC / NA / BIL / B24 / BUS *
COM	Common input	Input	13.8V (DC)
Z4	Input zone 4	Input	NC / NA / BIL / B24 / BUS *
+	Detector power supply	Output	13.8V (DC)
-	GND (earth)	Output	GND (earth)
Z5	Input zone 5	Input	NC / NA / BIL / B24 / BUS *
COM	Common input	Input	13.8V (DC)
Z6	Input zone 6	Input	NC / NA / BIL / B24 / BUS *
Z7	Input zone 7	Input	NC / NA / BIL / B24 / BUS *
COM	Common input	Input	13.8V (DC)
Z8	Input zone 8	Input	NC / NA / BIL / B24 / BUS *
RS485 serial line			
-	RS485 serial line power supply	Output	GND (earth)
+		Output	13.8V (DC)
A	RS485 serial line	Input	RS485 serial line
B			

* NC (0 ohm) - NA (>2K ohm) - BIL (2K ohm...4K ohm) - B24 (2K ohm...4K ohm)

CASING



The extension module SPEED 8 STD is available with two different casings (to be ordered separately):

C90

Size (L x H x D): 164 x 108 x 33 mm
 Tamper protection: 1 microswitch against detachment
 1 microswitch against opening

C100P

Size (L x H x D): 260 x 160 x 60 mm
 Tamper protection: 1 microswitch against opening/detachment

PROGRAMMING BY DIP-SWITCH SW1

The electronic board can work both with the standard RS485 bus (9.600 baud) or the rapid bus (38.400 baud). The standard bus provides 4 bit addresses (max. 15 modules), while the rapid bus provides 6 bit addresses (max. 63 modules).

The dip-switch 7 determines bus speed.

The dip-switch 8 permits exclusion of tamper.