



NOTES

1. Do not connect two modules with the same address to the control panel.
2. Check for possible restrictions regarding addressing imposed by the control panel the module is connected to.
3. For the modules without proper power supply, the current available declared is bound by the power supply they are connected to.
4. If you use the barrier MINIEXPLORER BUS composed of two separate parts, for wiring always use two contiguous inputs starting with an odd number (e.g. Z1 and Z2 or Z5 and Z6, but **not** Z2 and Z3 or Z4 and Z5).

TECHNICAL DATA

Device:

Description:

Connection:

Tamper protection:

Inputs:

Outputs:

Operating voltage:

Input voltage and
detector power supply:

Current available for:

Electronic board

Overall power supply and

logic outputs

Operating temperature:

SPEED 8 PLUS

Input extension

Serial bus RS485

(see casing)

8 completely programmable inputs
with bus technology

2 programmable logic outputs

OUT1-, OUT2-

Rated 12V

Min. 10V

Max. 14V

Max. XXmA

Max. XXXmA (see notes above)

+5°C...+40°C



SPEED 8 PLUS

EXTENSION MODULE WITH 8 INPUTS AND BUS TECHNOLOGY



PRODUCT DESCRIPTION

Release:

0.2

Update:

July 2005

Language:

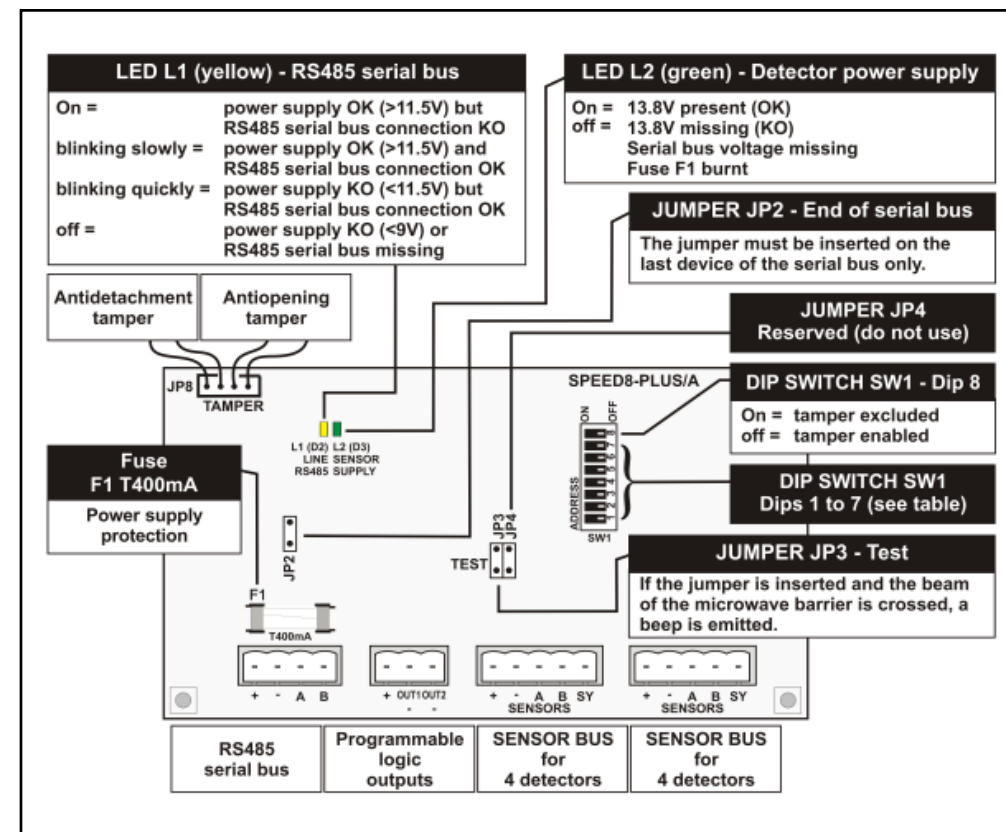
English

SPEED 8 PLUS - 8 inputs with bus technology

The extension module is composed of:

- 1 electronic board with 8 inputs and 4 eeprom for recording of the events
- 1 tamper protected plastic casing (optional)

ELECTRONIC BOARD



Tecnoalarm

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

Tecnoalarm FRANCE

495, Rue Antoine Pinay
69740 Genas - Lyon (France)
Tél. +33 478406525
Télécopie +33 478406746
e-mail: tecnoalarm.france@wanadoo.fr

Tecnoalarm ESPAÑA

c/Vapor 18 (Pol. Ind. El Regas)
08850 Gavà - Barcelona (España)
Tel. +34 936622417 Fax +34 936622438
e-mail: tecnoalarm@tecnoalarm.es
www.tecnoalarm.es

The board provides two SENSOR BUS terminals for the connection of a total of 8 detectors and barriers with the new bus technology by Tecnoalarm.

The detectors can be programmed and monitored directly by the control panel.

In addition, all the relative events are stored.

TERMINALS

Terminal	Description	Type	Input/output status	
RS485 serial bus				
+	RS485 serial bus power supply	Output	13.8V DC	
-		Output	GND (earth)	
A	RS485 serial bus	Input	RS485 serial bus	
B		Output		
Outputs				
+	Positive voltage	Output	13.8V DC	
OUT1-	Programmable logic output	Output	Stand-by: high impedance*	Alarm: negative voltage*
OUT2-	Programmable logic output	Output	Stand-by: high impedance*	Alarm: negative voltage*
SENSOR BUS				
+	RS485 serial bus power supply	Output	13.8V DC	
-		Output	GND (earth)	
A	Sensor bus	Input	Sensor bus	
B		Output		
SY	Synchronization	Output	Synchronization MINIXPLORER BUS	
+	RS485 serial bus power supply	Output	13.8V DC	
-		Output	GND (earth)	
A	Sensor bus	Input	Sensor bus	
B		Output		
SY	Synchronization	Output	Synchronization MINIXPLORER BUS	
			* = default settings	

N.B.

The two SENSOR BUS terminals are interchangeable. It is possible to wire up to 4 devices to each of them. The SY terminal must be wired in case of connection of the barriers MINIEXPLORER BUS only. They are needed for synchronization.

CASING

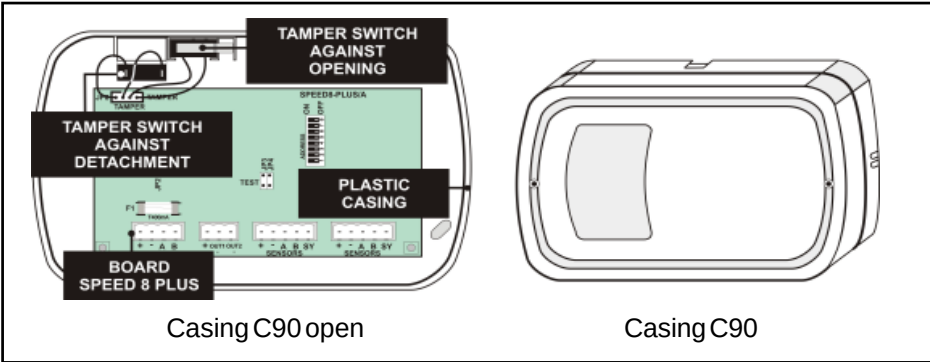
Plastic casing (to be ordered separately)

C90

Size in mm: 164 x 108 x 33 (L x H x D)

Tamper protection: 1 micro switch against opening

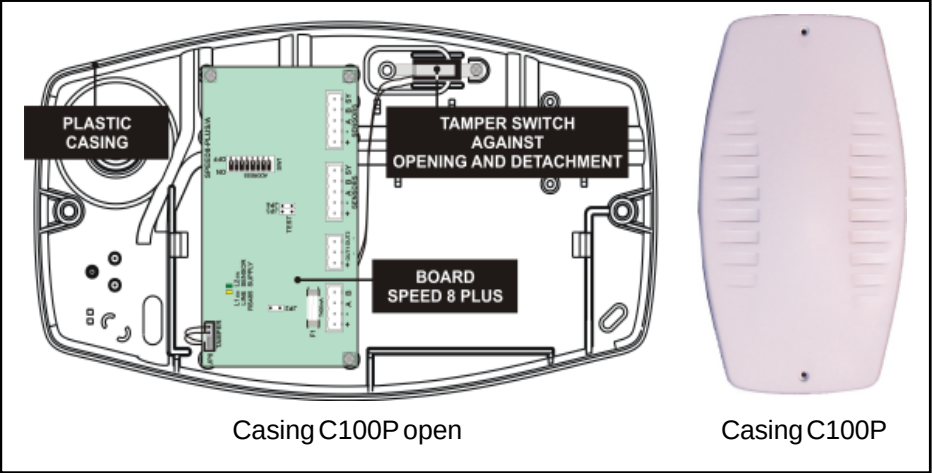
1 micro switch against detachment



C100P

Size in mm: 260 x 160 x 60 (L x H x D)

Tamper protection: 1 combined micro switch against opening/detachment



SETTINGS BY DIP-SWITCH SW1

The board can work both at standard bus speed (9,600 baud) or at high bus speed (38,400 baud). The standard bus provides 4 bit addresses (max. 15 modules), whereas the high speed bus provides 6 bit addresses (max. 63 modules).

The dip switch 7 determines the bus speed.

DIP 7 - BUS SPEED DIPS 5-6 CONTROL PANEL DIPS 1-2-3-4 STANDARD BUS ADDRESSES	OFF = functioning at standard bus speed (9,600 Baud)																				
	OFF, OFF = functioning with TP8-64																				
		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 - BUS SPEED DIPS 1-2-3-4 HIGH SPEED BUS ADDRESSES	ON = functioning at high bus speed (38,400 Baud)																				
		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.																				
The dip switch 8 permits disabling of the tamper protection.																					
DIP 8 - TAMPER	ON = tamper excluded OFF = tamper enabled																				

The dip switch 8 permits disabling of the tamper protection.