

The dip switch 8 permits disabling of the tamper protection.

DIP 8 - TAMPER

ON = tamper excluded
OFF = tamper enabled



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 output

Operating temperature:

SPEED 4 PLUS

Input extension

Serial bus RS485

(see casing)

4 completely programmable inputs for
standard detectors

4 completely programmable inputs
with bus technology

1 programmable logic output
OUT1-

Rated 12V

Min. 10V

Max. 14V

Max. XXmA

Max. XXXmA (see notes above)

+5°C...+40°C



SPEED 4 PLUS

EXTENSION MODULE WITH 4 STANDARD INPUTS AND 4 INPUTS WITH BUS TECHNOLOGY



PRODUCT DESCRIPTION

Release:

0.2

Update:

July 2005

Language:

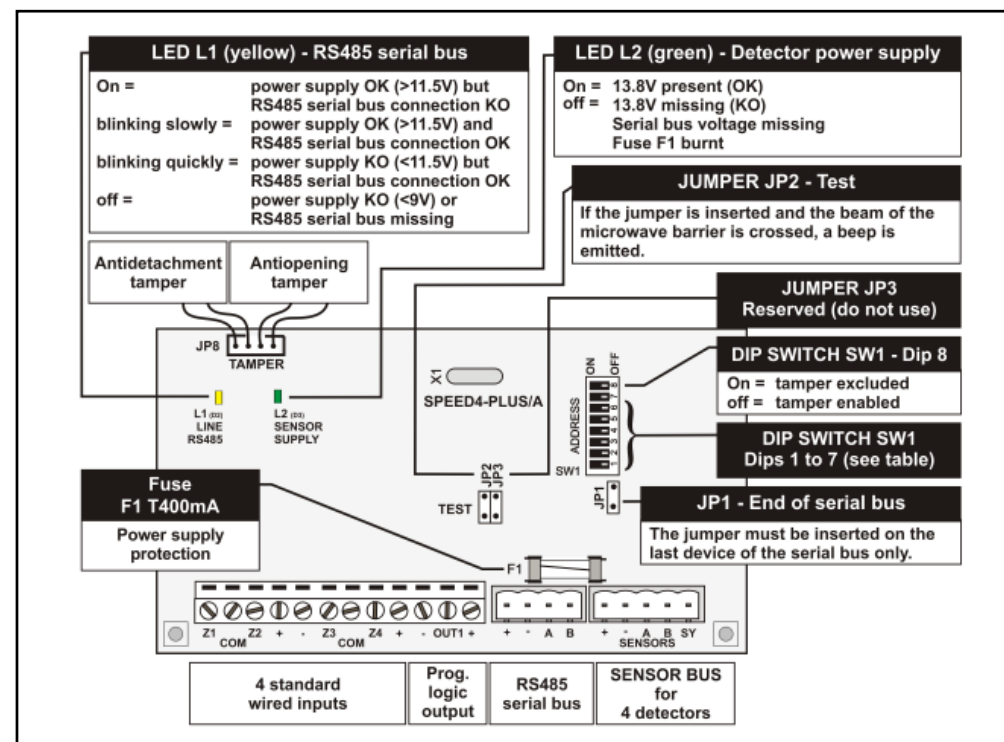
English

SPEED 4 PLUS - 4 standard inputs + 4 inputs with bus technology

The extension module is composed of:

- 1 electronic board with 4 + 4 inputs and 2 eeprom for recording of the events
- 1 tamper protected plastic casing (optional)

ELECTRONIC BOARD



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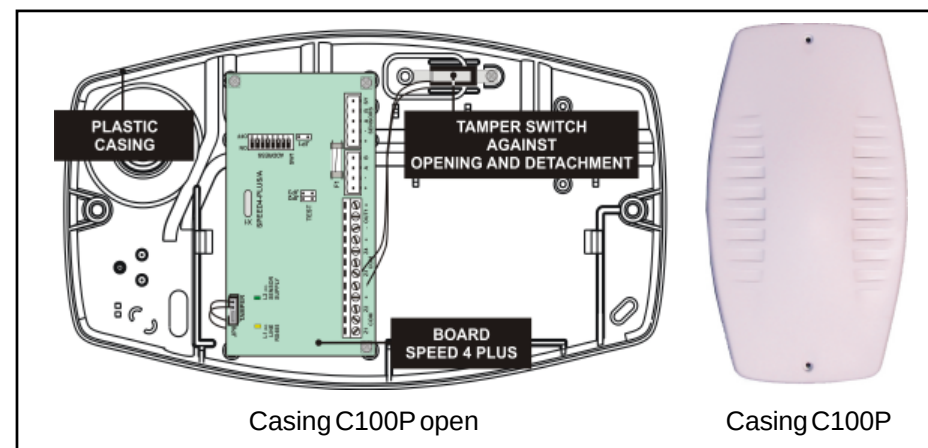
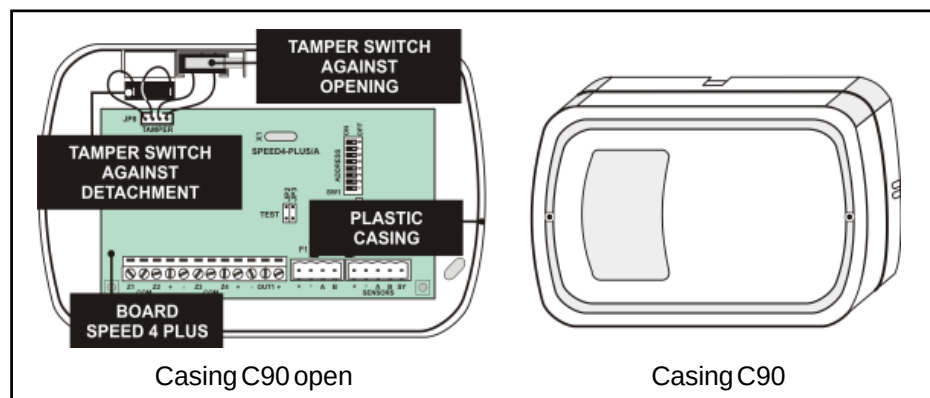
The board provides a SENSOR BUS terminal for the connection of a total of 4 detectors or barriers with the new bus technology by Tecnoalarm and 4 inputs for the connection of traditional detectors as well as the barriers controllable via ZONE BUS using a special serial protocol by Tecnoalarm. The SENSOR BUS detectors can be programmed and monitored by control panel. In addition, all the relative events are stored.

TERMINALS

Terminal	Description	Type	Input/output status	
Standard wired inputs				
Z1	Zone 1	Input	NC / NA / BIL / B24 / BUS	
COM	Common input	Output	13.8V DC	
Z2	Zone 2	Input	NC / NA / BIL / B24 / BUS	
+	Positive voltage	Output	13.8V DC	
-	GND (detector power supply)	Output	GND (earth)	
Z3	Zone 3	Input	NC / NA / BIL / B24 / BUS	
COM	Common input	Output	13.8V DC	
Z4	Zone 4	Input	NC / NA / BIL / B24 / BUS	
+	Positive voltage	Output	13.8V DC	
-	GND (detector power supply)	Output	GND (earth)	
Output				
OUT1-	Programmable logic output	Output	Stand-by: high impedance*	Alarm: negative voltage*
+	Positive voltage	Output	13.8V DC	
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		
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	
		* = default settings		

It is possible to wire up to 4 devices to the SENSOR BUS input. The SY terminal must only be wired in case of connection of the barriers MINIXPLORER BUS only. It is 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.															