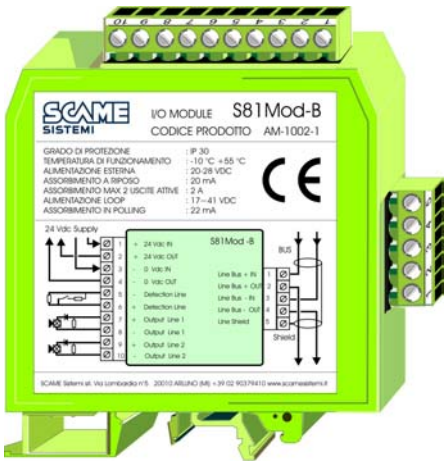
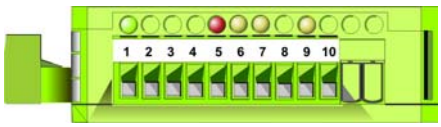
MODULE S81Mod-B

ADDRESSABLE MODULE FOR MONITORED LINE DEVICE CONTROL

This module, commonly used with 24 V dc actuator devices, is provided with two output lines recognising short circuit and line opening fault, as well as with a monitored input line.





MAIN FEATURES

- TWO MONITORED OUTPUT LINES
- ONE MONITORED INPUT LINE
- Suitable for local alarm and actuator control
- Compatible with most 24 V dc actuators
- For control of alarm pushbuttons, pressure switches or other field devices
- Short circuit and open line monitoring on both outputs and input
- 4 LED's for status indication
- Communication protocol on two-wire loop
- External supply 22-28 V dc
- Compatible with panels of the S81 and ASP series
- Static type addressing

INFORMATION PROVIDED BY MODULE LED's

Status	**LED Indication and Colour**									
	LED 1		LED 5		LED 6		LED 7		LED 9	
	Off	On	Off	On	Off	On	Off	On	Off	On
Normal communication	-	∅	-	-	-	-	-	-	-	-
Active alarm input	-	-	-	⊗	-	-	-	-	-	-
Input fault	-	-	-	-	-	⊗	-	-	-	-
Output 1 fault	-	-	-	-	-	-	-	⊗	-	-
Output 2 fault	-	-	-	-	-	-	-	-	-	⊗
Symbol key	*∅ = flashing light ⊗ = fixed light - = no light*									

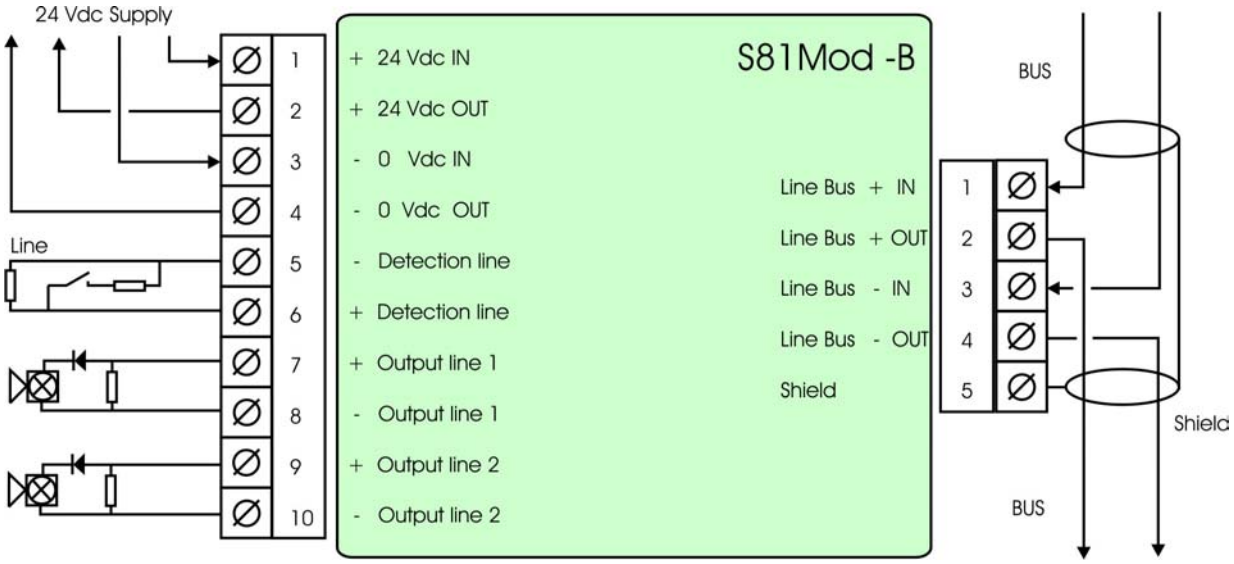
OPERATION

This module acts as a line monitor and control unit and is utilised in all those applications where no requirement exists for a fire fighting-certified addressable module, but where an extremely reliable and versatile addressable device is necessary.
It is intended for operation with a specific BUS for modules of the SC type, on which up to 127 modules can be addressed.
Module addressing is static and is carried out through a special programmer.
The control panel can manage the output lines and the input line of the module in a totally separate way.

MODULE S81Mod-B

WIRING SCHEMATIC

The BUS will be wired directly to the terminals 1,2,3,4 of the relevant board, while terminal 5 is intended to give continuity to the shields.
The actuator control lines, to be wired to the terminals 7 and 8 (line 1) or 9 and 10 (line 2) of the I/O board, will be terminated with a 5.6 kΩ EOL resistance and a diode mounted in series.
The input (detection) line, to be wired to terminals 5 and 6, will be terminated with a 5.6 kΩ resistance, while the alarm resistance will be 1 kΩ.



TECHNICAL SPECIFICATION		
Model		S81Mod-B
Product code		AM-1002-1
BUS or LOOP	Operating voltage	17-41 V dc
	Polling consumption	22 mA ± 20%
EXTERNAL SUPPLY	Voltage	22 - 28 V dc (24 V dc nominal)
	Stand-by consumption	20 mA
	Consumption with 2 active outputs	2 A
OUTPUT (per line)	Voltage	24 V dc
	Current (automatically limited)	1 A
INPUT LINE	End of line resistance (EOL)	5.6 kΩ
	Alarm resistance	1 kΩ
Operating temperature		- 10 °C to + 55 °C
Storage temperature		- 20 °C to + 60 °C
Maximum humidity RH%		95% non condensing (*)
Protection		IP 30 (*)
Material		ABS
Colour		green
Weight		100 g
Dimensions (without terminals and support for DIN bar)		L 25 mm D 85 mm H 80 mm

(*) The module is supposed to be mounted on a DIN bar inside a panel, or in a suitably protected junction box.