

Installation instructions

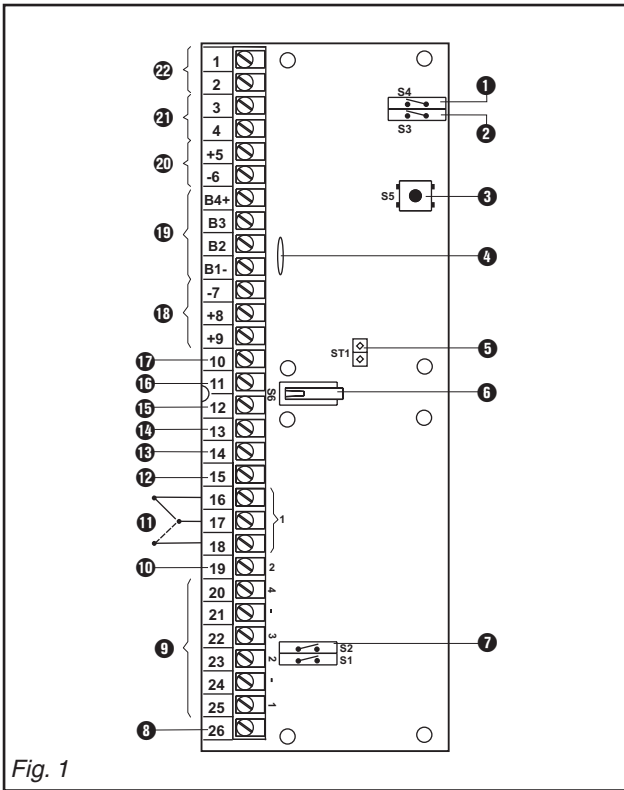


Fig. 1

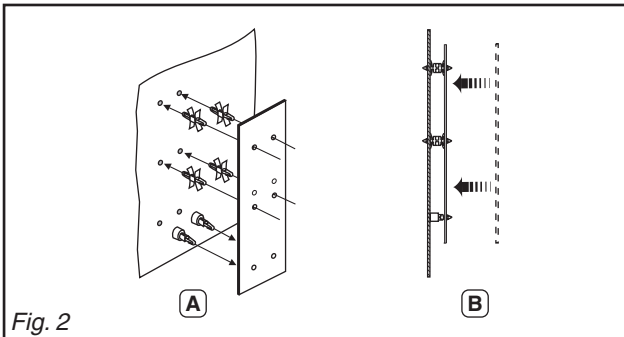


Fig. 2

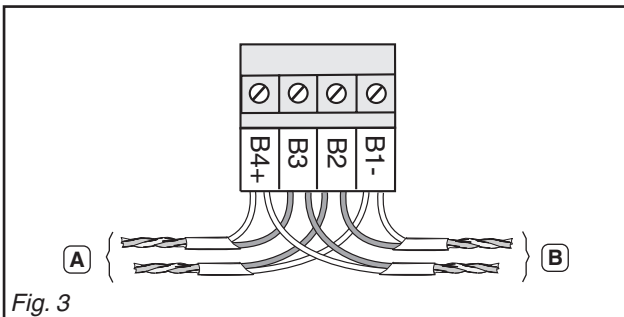


Fig. 3

1. Product Description

The Card reader Gateway SMG 71 replaces one standard transponder (SMT 12) and Mirrors a Keypad with the same address. 2 cardreaders may be connected for door opening/closing and setting/unsetting.

2. Supply package

The SMG 71 package contains the following:

- One circuit board SMG 71
- 6 mounting studs
- 8 terminating resistors (4.7 kOhm)
- One SLG 71 language kit

3. Mounting Instructions

The SMG 71 is designed for mounting inside a remote power supply or other suitable box, within a dry room.

It must not be exposed to either dripping or splashing water.

3.1 Product overview (fig. 1)

- ① Switch for the «auto shunt» function
- ② Switch for the type of reader
- ③ Addressing button
- ④ Thermofuse 12 V; 650 mA
- ⑤ Plug connector for external tamper contact
- ⑥ Tamper contact
- ⑦ Switch for programming glass breaks alarm inputs
- ⑧ Stand alone Input

Embedded Transponder:

- ⑨ 4 programmable inputs (1 to 4)
- ⑩ Open collector output 2
- ⑪ Relay output 1

Open collector outputs with dedicated functions:

- ⑫ Auto shunt function running
- ⑬ Cannot set
- ⑭ Set/Unset
- ⑮ Buzzer
- ⑯ Alarm in memory
- ⑰ Error information
(site code not programmed/parity error/E-Bus failure)
- ⑱ 12 V power supply for outputs
- ⑲ E-Bus connection
- ⑳ 12 V power supply for card reader
- ㉑ Connection to card reader 2
- ㉒ Connection to card reader 1

} Ward status
information of
mirrored keypad

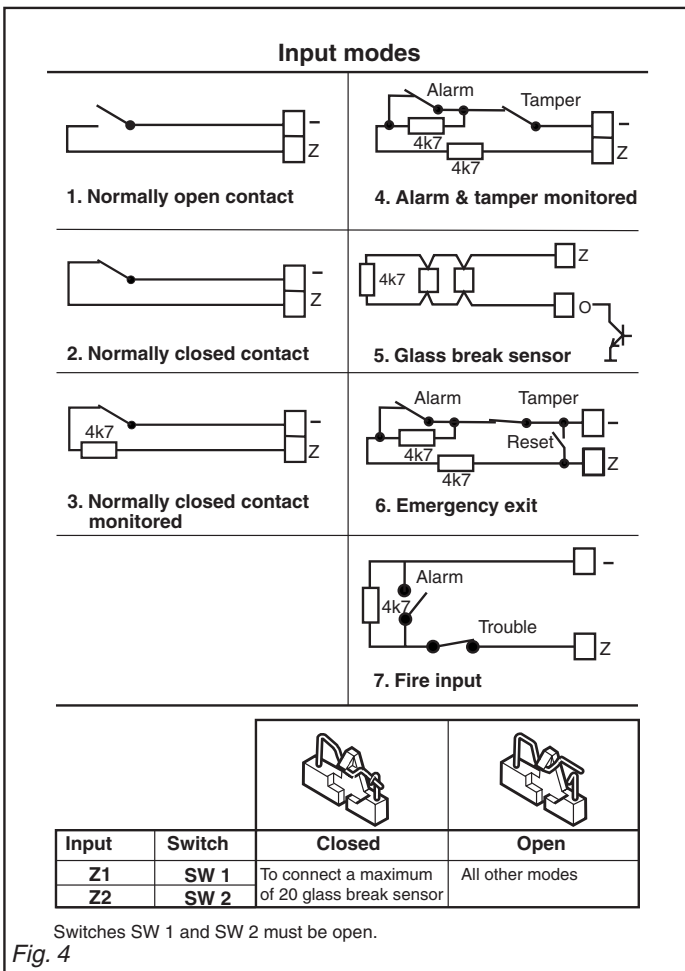
3.2 Fit circuit boards (fig. 2)

- 1 - Engage the mounting studs (provided with the circuit boards) in the holes provided (A).
- 2 - Fit circuit boards .

4. Wiring

4.1 E-Bus (fig. 3)

The E-Bus (A) must be connected to the central control unit (B1-, B2, B3, B4+). It may be routed in parallel to other accessories (B). For additional information see the Control panel installation manual.



4.2 Tamper contact

The Tamper connector (fig. 1; ⑤) must be connected to an external tamper contact or be short-circuited.

4.3 Inputs (fig. 4)

All inputs can be operated in modes 1 to 4 and 6 to 7 (fig. 4). Inputs 1 to 2 can also be operated with glass break alarms. To do this, the relevant switches S1 to S2 must be closed and one terminal of each glass break detectors connected to one of outputs 1 or 2, which must be programmed for «Latching sensor reset». When wiring fire detectors, any trouble output present can be looped directly into the line. For fire detectors where the power has to be disconnected to reset the alarm, the negative can be connected via an output which is programmed as a «Latching sensor reset» output.

The emergency exit has to be wired like mode 6. A short circuit of the input will reset the corresponding signalling output.

4.4 Card reader (fig. 5)

Two type of card readers (ABA Track 2 / Wiegand) can be selected by the switch S3 .

5. Addressing

Since the replaced transponder takes the same address as the card reader gateway only free transponder addresses are accepted as gateway addresses.

6. Card reader Test menu

A special menu is available in the Engineer menu to test the card reader.

The Site code and user number are displayed on the keypad.

7. Special function

7.1 Stand alone mode (fig. 6)

In the stand alone mode, a valid card(site code) read by reader 1 (fig. 1; ②), Will activate the relay output 1(fig. 1; ①) directly for 5 seconds.

In this mode there is no interaction with the control panel, the site code is Checked locally in the Gateway.

7.2 Auto-Shunt mode (fig. 7)

In the auto-shunt mode, an activation of the output 1(fig. 1; ①) bypasses the Input 1(fig. 1; ④) until it is in a quite state again. The bypass time is max. 40 s after which the Input 1 will be restored.

If Input 1 is not in a quite state after 30 s the buzzer output (fig.1; ⑤) will be activated.

The open collector output «Auto-Shunt function» (fig.1; ⑫) is activated as long as Input 1 is bypassed.

8. Technical data

Supply	12 Vdc from the E-Bus
Power consumption min.	11 mA
Power consumption max.	35 mA
7 open collector outputs	12 V, 150 mA
1 relay output	12 V, 1 A
4 inputs	Programmable
8 terminating resistors	4.7 kOhm
Operating temperature	-10° C to +55° C
Dimensions in mm, SMG 71	H 54,5 x W 156 x D 20
Weight, SMG 71	65 g

