

Installation instructions

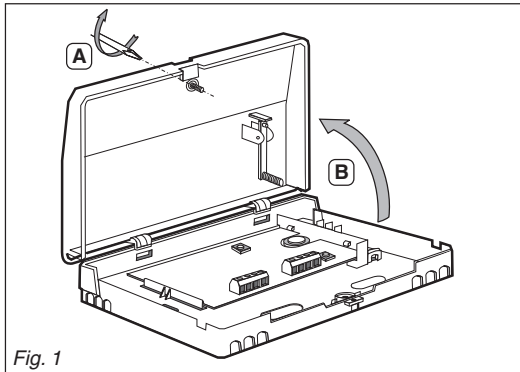


Fig. 1

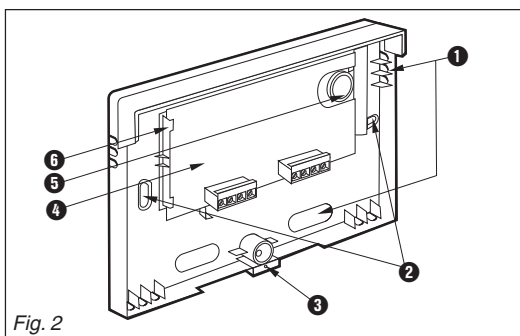


Fig. 2

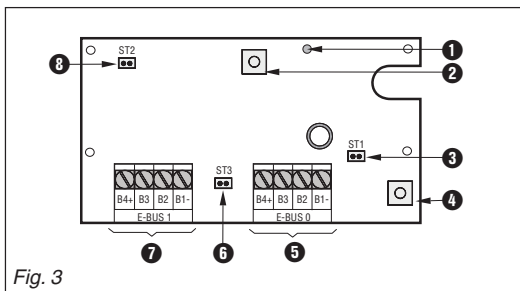


Fig. 3

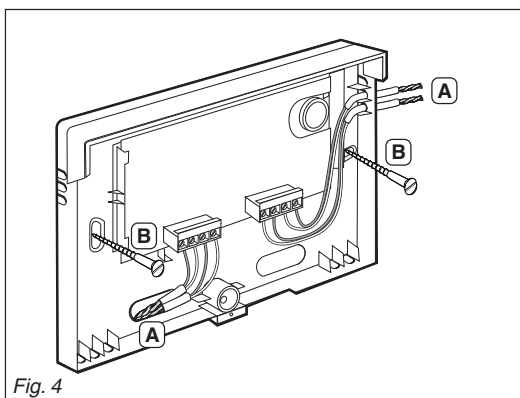


Fig. 4

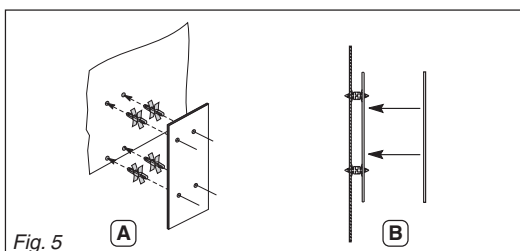


Fig. 5

1. Product description

The E-Bus Gateway is supplied either as a SAG 91 with a housing or a SMG 91 without the housing. 20 transponders can be connected behind each E-Bus Gateway. The SAG 91 is transparent and must be addressed before an additional transponder is connected behind it.

2. Supply package

The SAG 91 package contains the following :

- One SAG 91 Housing.
- One SMG 91 E-Bus Gateway (board).
- One set (4 off) of mounting studs.
- One cable with socket connector for external tamper contact (only SMG 91).
- One SLG 91 language kit complete with :
 - Installation instructions.

3. Mounting instructions

The SAG 91 and SMG 91 are designed for mounting in dry indoor rooms. They must not be exposed to either dripping or splashing water. The SAG 91 is designed for installation either in a power supply unit or a suitable flush-type box.

3.1 Open housing (fig. 1)

- 1 - Slacken the retaining screw (A).
- 2 - Remove the cover (B).

3.2 Product overview (fig. 2)

Housing (SAG 91 only) with the following:

- 1 Holes or knockouts, for cables.
- 2 Mounting holes.
- 3 Eye for sealing.
- 4 SMG 91 circuit board.
- 5 Knockout for the back tamper contact screw.
- 6 Locking tab to hold the circuit board.

3.2.1 SMG 91 circuit board (fig. 3)

- 1 LED flashes if the E-Bus communication is correct.
- 2 Address key.
- 3 Plug connector (ST1) for external tamper contact, connected in parallel to the tamper contact 4.
- 4 Tamper contact of SAG 91 housing.
- 5 E-Bus connection.
- 6 Plug connection isolate B1- if open (ST3).
- 7 Transponder connection.
- 8 Plug connection isolate B4+ if open (ST2).

3.3 Fit SAG 91 housing (fig. 4)

- 1 - If necessary, break out the knockouts for cables.
- 2 - Insert cables (A).
- 3 - Secure the base using 2 screws (B).

3.4 Fit SMG 91 circuit board (fig. 5)

- 1 - Engage the mounting studs in the holes (A).
- 2 - Fit circuit board (B).

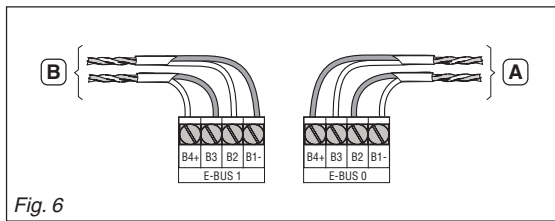


Fig. 6

4. Wiring

The terminals are shown in fig. 3

4.1 E-Bus (fig. 6)

The total length of the E-Bus cable must not exceed 500 m.

The E-Bus 0 must be connected to the central control unit (A) (B1-, B2, B3, B4+). The E-Bus 1 delivers an extended Master Bus connector for additional transponders and accessories (B). For additional information see the central control unit manual.

4.2 Tamper contact

If the SMG 91 circuit board is not fitted in the SAG 91 housing, the plug connector (fig. 3 ; ❶) must be connected to an external tamper contact or be short-circuited. Use the socket connector provided to connect to an external tamper contact.

5. Close and seal the housing

- 1 - Engage the cover in the retainer at the top (fig. 1).
- 2 - Close the cover and tighten the retaining screw (fig. 1).
- 3 - Use eye (fig. 2 ; ❷) for sealing.

6. Technical data

Supply	from the E-Bus
Power consumption min.	6 mA
Power consumption max.	19 mA
Operating temperature	-10° C to +55° C
Housing	ABS
Dimensions in mm, SAG 91	H 86 x W 135 x D 27
Safety class, SAG 91	IP 30
Environmental class, SAG 91	II
Weight, SAG 91	130 g
Dimensions in mm, SMG 91	H 52 x W 91 x D 20
Weight, SMG 91	50 g