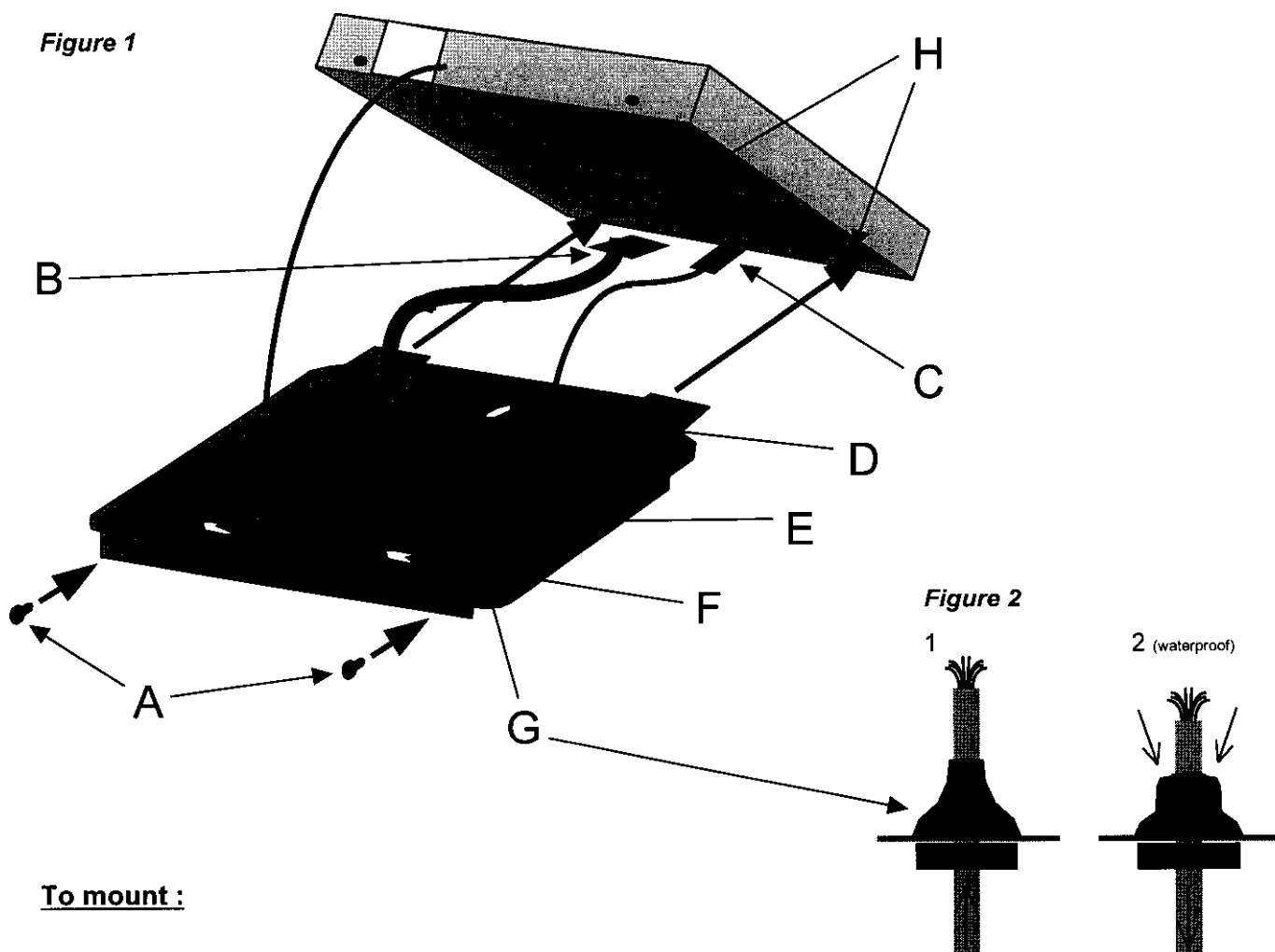


1 INSTALLATION



To mount :

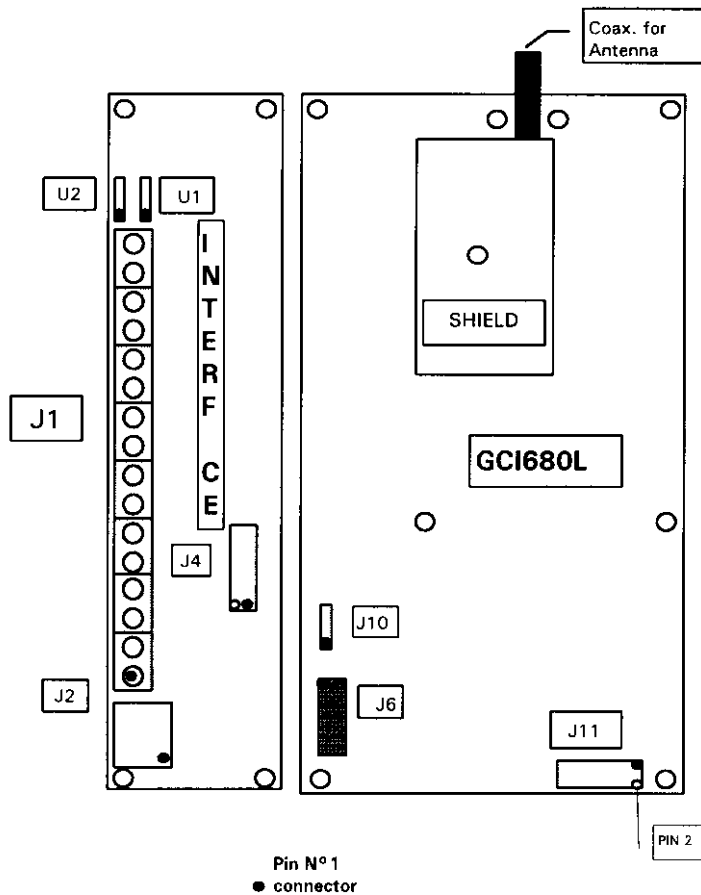
- Open the Gemaccess608 reader by removing the 2 screws (A), under the case.
- Gently remove the plastic cover.
- Disconnect the 2 cables (B and C) that connect the plastic cover and the metallic base, then separate the 2 pieces.
- Put the metallic base against the wall (cable bushing G up), to draw fastening marks for the 3 fastening screws (oblong holes D E F).
- Make holes in the wall and install the 3 plugs provided (or other fastening elements suited to the support).
- Pass the cable trough the cable bushing (G) of the base (see figure 2 : Fit the cable into the cable bushing and then pull out it a little to make waterproof between the cable bushing and the metallic base).
- Fasten the metallic base to the wall using the 3 4x35 screws provided (or other equivalent fastening elements suited to the support), with the seals and the fastening discs, to make the product waterproof after the complete installation.
- Connect the cable to the 16 points terminal block (J1), following the key given in section 3.
- Configure the jumpers following the key given in section 2.

To close :

- Connect the 2 cables (B and C) between the plastic cover and the metallic base of the reader, as indicated on the label inside the cover.
- Position the plastic cover slantwise on the top of the metallic base, to introduce the base into the 2 notches (H) of the plastic cover.
- Put on the cover (checking the cables position).
- Fix closed with the 2 M3x8 screws (A).

2 CONFIGURATION

Plan View :



Jumpers positioning :

RS232 connection (standard):

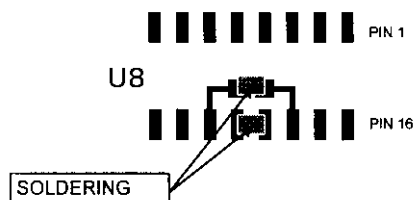
Put a jumper between pins 1 and 2 of J10

RS232 TTL connection :

Put a jumper between pins 1 and 2 of J10

Unsolder U8 (MAX232AESE)

Make a strap between pins 12 and 13 and between pins 11 and 14 of U8



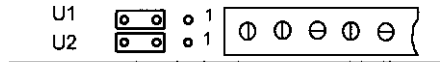
RS485 2 wires connection :

Place a jumper between pins 2 and 3 of J10

Tamper off detection :

Tamper managed by the reader :

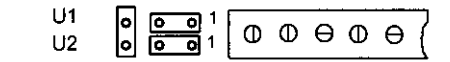
Place 2 jumpers between pins 2 and 3 of U1 and U2



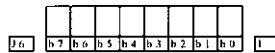
Tamper managed by the host (standard) :

Place 2 jumpers between pins 1 and 2 of U1 and U2

Place 1 jumper between pins 3 of U1 and U2.



Reader configuration :



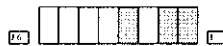
b0->b3 = reader address.

b4->b7 = communication mode.

Place jumpers on greyed parts.

Reader address :

Exemple : basic address 0x04h (standard) :



Communication mode :

<p>Normal mode (standard) :</p>	<p>Cyclic serial number :</p>
<p>Serial number with introduction :</p>	<p>Cyclic autoread :</p>
<p>Autoread with introduction :</p>	<p>Master cyclic autoread :</p>
<p>Master autoread with introduction :</p>	<p>Slave autoread :</p>

3 CONNECTIONS

Terminal block J1 :

- 1 -> +5V
- 2 -> Green Led
- 3 -> Red Led
- 4 -> Buzzer
- 5 -> 0V RS
- 6 -> Data 0 Wiegand
- 7 -> Data 1 Wiegand
- 8 -> RX RS232
- 9 -> TX RS232
- 10 -> Cable shield
- 11 -> RXTX- RS485
- 12 -> RXTX+ RS485
- 13 -> 0V Power supply
- 14 -> +12V Power supply
- 15 -> Tamper detection
- 16 -> Tamper detection

Power Supply :

- +12V DC 0,3A with ripple noise < 50mV between 1Hz to 30MHz.
- Multiwires shielded cable.

Regulatory Information

Notice for the USA: FCC Statement

Federal Communications Commission (FCC) Radio Frequency Interference Statement (USA Only)

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protections against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try one of more of the following measures:

- Relocate the radio or television antenna.
- Plug the equipment away from the radio or television.
- Plug the equipment into a different electrical outlet, so that the equipment and the radio or television are on separate electrical circuits.
- Make sure that all your peripheral devices are also FCC Class B certified.
- Make sure you use only shielded cables to connect peripheral devices to your equipment.
- Consult your equipment dealer, or an experienced radio / television technician for help.

WARNING: The system verification tests were conducted with GEMPLUS supported peripheral devices. Cables used with this equipment must be properly shielded to comply with the requirements of the FCC.

Changes or modifications not expressly approved by GEMPLUS could void the user's authority to operate the equipment.

