Included Parts

The metal housing inlcudes the following components:

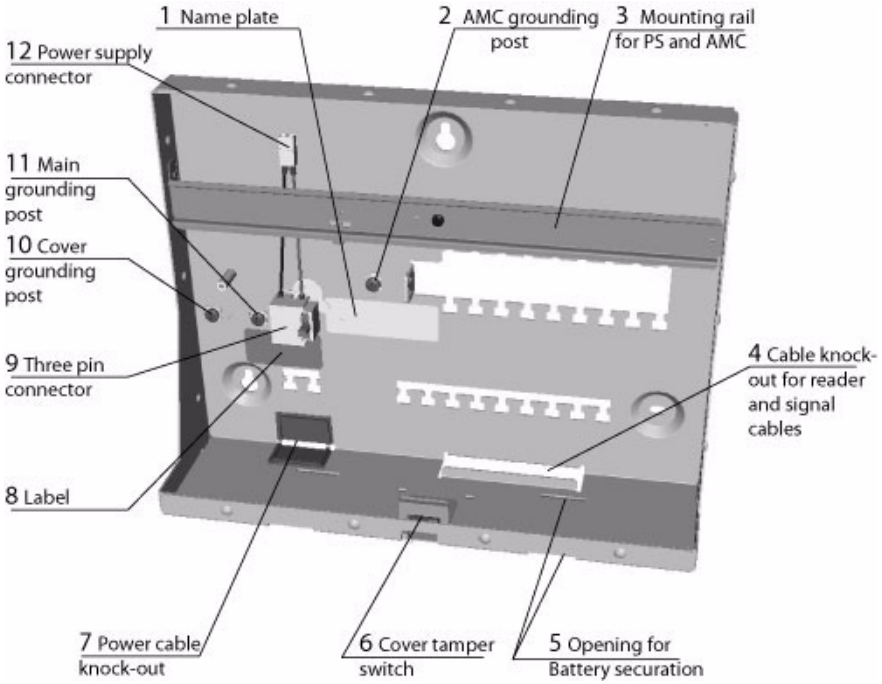

Figure 1 Parts of the housing

The accessories kit includes the following cables. Install these cables as described in *Section Connection of the Devices*, page 4.

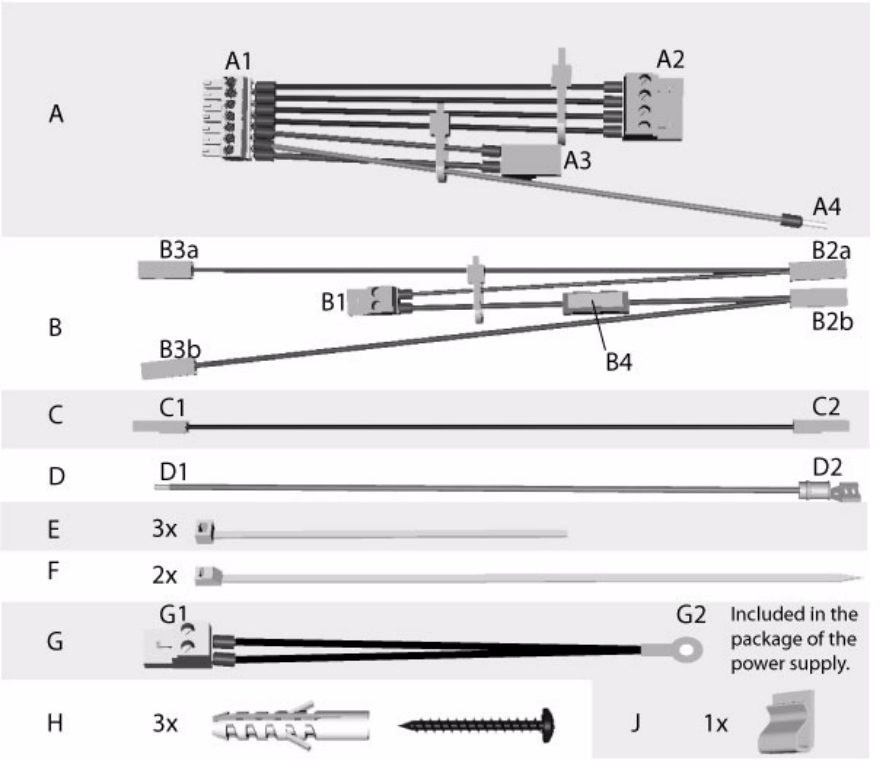

Figure 2 Accessories kit content

Content of the accessories kit:

A = Pre-assembled cable to connect the AMC to the power supply

B = Pre-assembled cable to connect the batteries to the UPS (uninterruptable power supply) which is included in the power supply

C = Cable using 24 V mode

D = Grounding cable for the cover

E = Cable ties to secure the pre-assembled cable

F = Cable ties to fix the batteries

G = Pre-assembled cable with temperature sensor

H = Three screw anchors S8 and wood screws M6 x 50

J = Bracket for cable fixing

Before the assembly of the housing the following preparations should be done and conditions be considered.
The opening for the AC supply cable (position **7**) is covered by two plastic inserts. The AC cable can either be routed through a standard cable duct (40 mm x 25 mm) or be introduced directly from the back of the housing. Disrupt the appropriate plastic insert such that you can insert the power cable properly.

Mounting the Housing

Open the housing cover lock with the provided key and remove the hood from the wall mounted frame.
Mount the metal housing at the desired position with the screw anchors provided with the enclosure.
Use the screws (position **H** of the accessories kit) at the points to mount the housing against the wall.

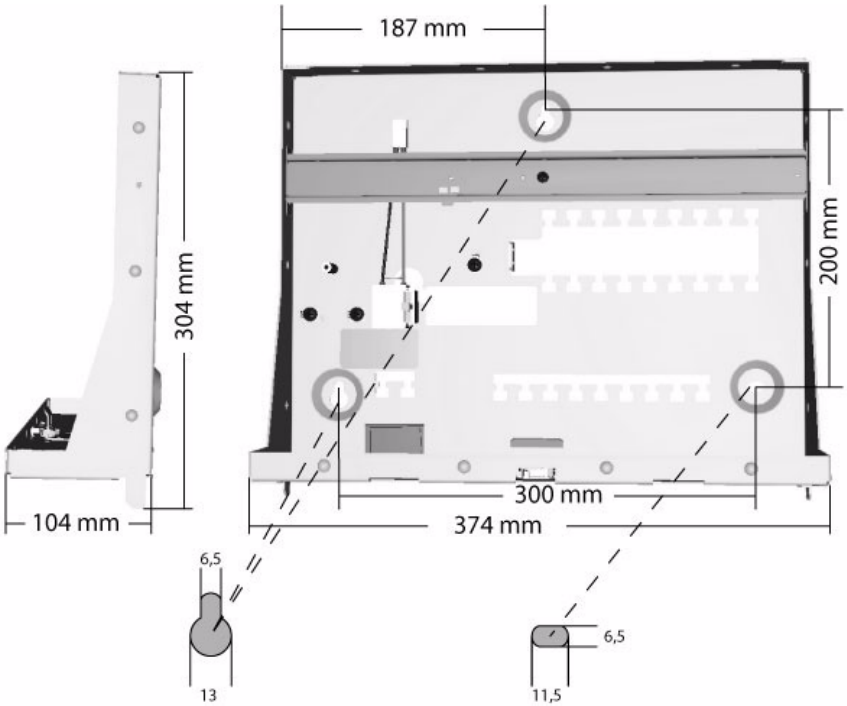

Figure 3 Demensions of the housing

Connection of the Devices

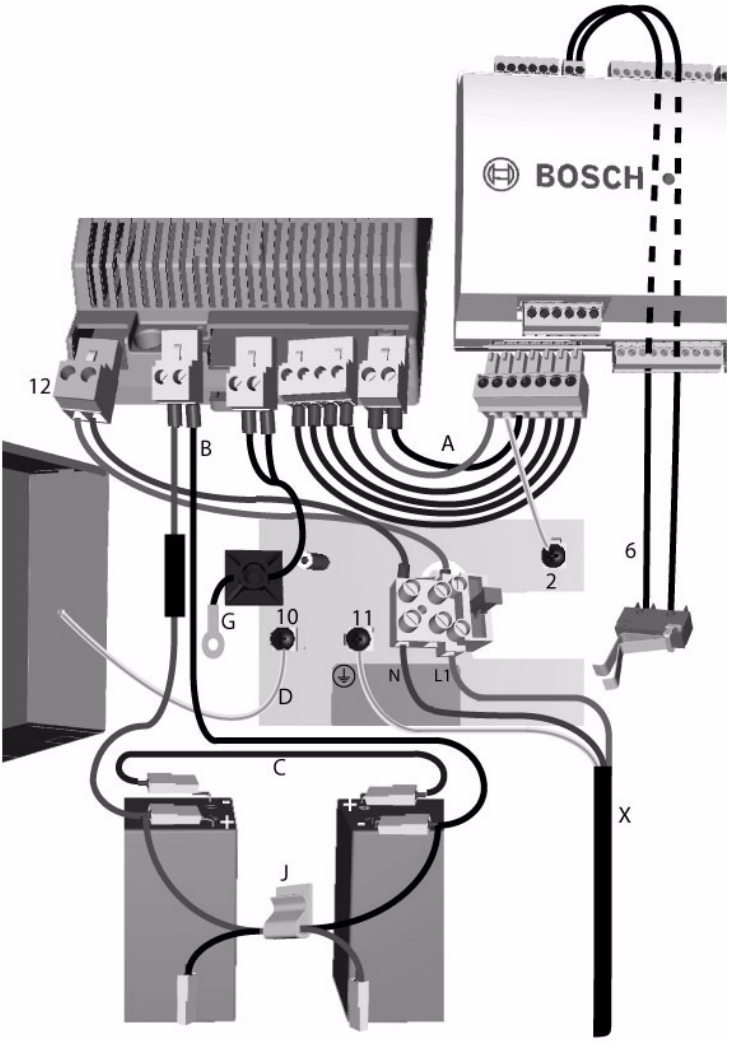

Figure 4 Connection of the devices

NOTE!
The following steps describe connecting the batteries in 24 V mode. For information on 12 V mode connections, refer to *Section 12 V Mode Variations*, page 7.

1. Mount the AMC on the rail (item **3** in *Figure 1*) and left aside the power supply.
2. Put the batteries on the bottom of the housing and secure them with the cable ties (**F** - *Figure 2*).
3. Stick the bracket **J** (*Figure 2*) on the back of the housing in such a way that later on not used connectors of the cable **B** can fixed with it.
4. Cable set **A**:
   a. Connect the 7-pin plug **A1** to the AMC's power supply connector (labeled: POWER).
   b. Attach connectors **A3** to the PS-interface DC and **A2** to the interface labeled OK.
   c. Connect the grounding cable **A4** beneath the grounding point **2**.
5. Cable set **B**:
   a. Connect the plug connector **B1** the second position from the left on the power supply - labeled with BAT.
   b. Attach connector **B2b** (red) to the **+**-pin of the first battery.
   c. With cable **C** connect the **-**-pin of the first battery to the **+**-pin of the second battery.
   d. Attach connector **B2a** (black) to the **-**-pin of the second battery.
   e. Connectors **B3a** and **B3b** are not used.
6. Cable set **G**:
   a. Attach connector **G1** on the PS-interface labbeled RTH.

b. Route the cable across the temperature sensor bracket **J** so that the temperature sensor **G2** hangs approximitely 5 cm (2 in.) above the batteries.

7. Pre-assembled cable set **12**:
   a. Connect the 2-pin plug on the interface AC of the power supply.
8. Pre-assembled cable **6**:
   a. Connect the loose ends of the cover tamper switch to the 2-pin screw connector on the top of the AMC. Position the cable in the space between the housing and the mounting rail.

DANGER!
Remove the fuse from the three-pin connector before proceeding with the power supply connection.
Do not install the fuse before completing the installation procedure.

9. Connect the main AC supply **X**:
   a. Connect the brown (phase) wire to terminal **L1**.
   b. Connect the blue (neutral) wire to terminal **N**.
   c. Connect the grounding cable to the housing at position **11**.

CAUTION!
Shorten the external supply wires so that the ground (yellow/green) wire is at least 20 mm (0.8 in.) longer than the live (blue and brown) wires. This ensures that the ground wire cannot be accidentally disconnected before life wires.

NOTE!
Connect the readers and other peripheral devices as described in the AMC Installation Manual (P/N: F01U.028.713). Route the device cables through the knock-outs in the top an right side wall of the housing, or through the rear of the housing.

10. Cable **D**:
    a. Connect **D1** to grounding post **10**.
    b. Connect **D2** to the grounding post on the cover.
11. Install the fuse.
12. Close the cover.

12 V Mode Variations

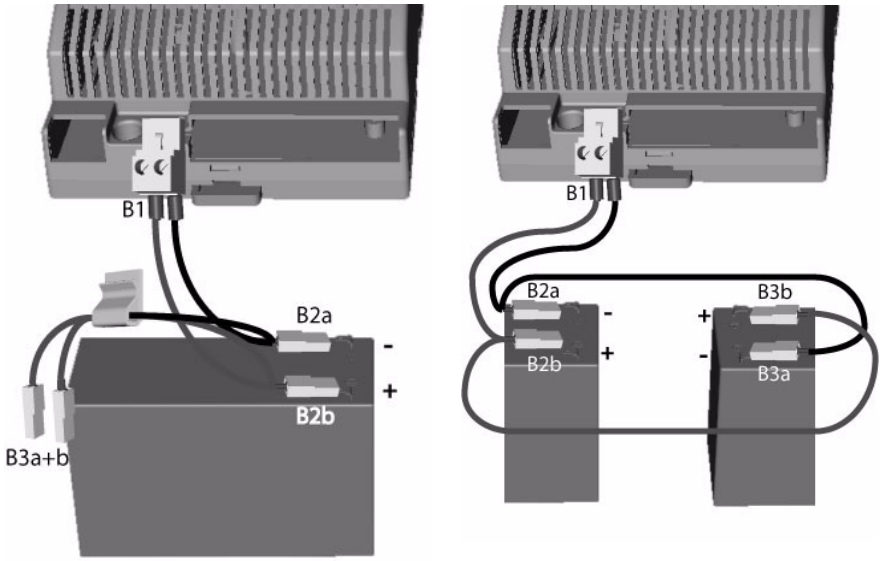

Figure 5.1 + 2 12 V mode with one and two batteries

The 12 V mode can be configured using one or two batteries. For a one-battery installation, refer to *Figure 5.1*, and perform the following procedure:

1. Connect **B1** to the power supply position labbeled BAT.
2. Connect **B2a** (black) to the battery's **-** terminal, and **B2b** (red) to the battery's **+** terminal.
3. Connectors **B3a** and **B3b** remain unused - fix them with the bracket **J**.

For the two-battery installation, refer to *Figure 5.2*, and perform the following procedure:

1. Connect **B1** to the power supply position labbeled BAT.
2. Connect **B2a** (black) to the battery's **-** terminal, and **B2b** (red) to the battery's **+** terminal.
3. Connect **B3a** (black) to the second battery's **-** terminal, and **B3b** (red) to the second battery's **+** terminal.

NOTE!
To switch the power supply between 12 V or 24 V modes, disconnect the input voltage and set the switch as shown in the figure below.