

LOGON B

- Ⓒ **GB** **Mounting instruction**
for authorized technicians only
- Ⓒ **DE** **Montageanleitung**
für die autorisierte Fachkraft
- Ⓒ **NL** **Montagehandleiding**
alleen voor bevoegde vakmensen
- Ⓒ **FR** **Notice de montage**
réservée à l'usage des techniciens agréés
- Ⓒ **IT** **Istruzioni per il montaggio**
solo per il tecnico autorizzato



Mounting instruction

for authorized specialists

Wall mounted controller LOGON B

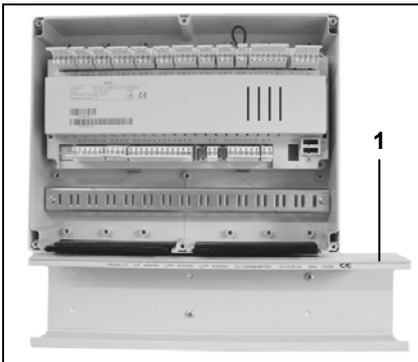


Table of Contents

| | |
|--|---|
| Mounting | 3 |
| Electrical installation | 4 |
| Electrical connections | 5 |
| Commissioning and parameterization | 6 |
| Notes | 7 |

Mounting instruction wall mounted controller LOGON B

Mounting

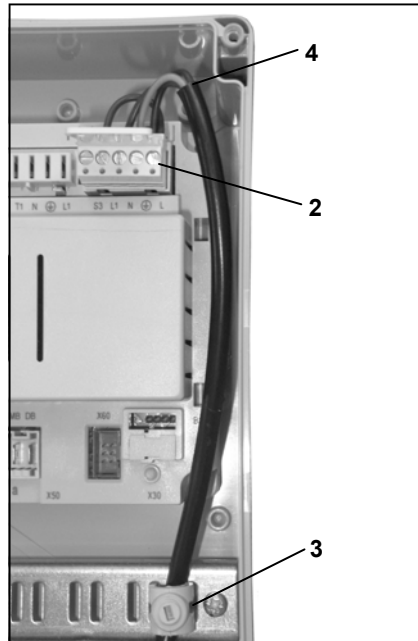


Electrical connection

The electrical connection must be made by an authorized installer in accordance with the applicable national and local standards and regulations. In general the controller may only be opened by an authorized installer.

Wall mounting

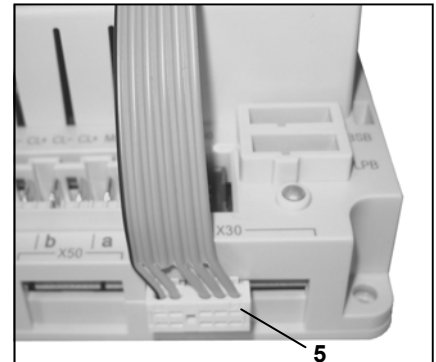
- Undo the 6 lid holders and remove the lid
- Hold the housing against the wall and mark the 4 holes (5mm)
- Drill 4 holes (5mm)
- Fix the housing to the wall using the supplied screws
- It is advised to mount a cable tray (1) to the cable entry of the housing. After mounting the cables will be completely covered. The optimum depth for the tray is 60mm. To enable easy cable entry it is advised to mount the tray afterwards.



The power supply is connected to the 5-pole plug (2) of the LOGON B. It should be possible to disconnect the controller from the power supply using suitable accessories. A mains isolator switch with a contact opening of at least 3 mm should be used.

Power supply: 230V, 50Hz
 Circuit breaker: 6,3A
 The maximum current of the controller should never exceed 6,3A.

The power supply cable to the controller should be at least 3x1.0mm².



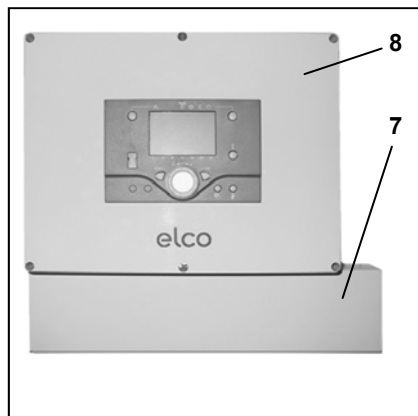
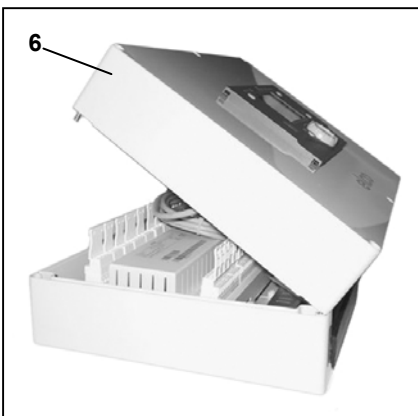
Connecting power supply

The high voltage cables should be secured with the cable clamps (3) to prevent becoming undone. If the G2Z2 version is used, a jumper should be placed between L and L1.

Plug connections between pump groups and LOGON B

The electrical connection of the pump groups to the LOGON B is done via coded plugs. The plugs of the pump groups can be connected directly to the controller. If no pump groups are used, the supplied plugs can be used to make the connections.

Sensors and other cables should also be connected using either the coded plugs or the supplied plugs (see wiring diagram). The cables should be secured with the cable clamps. Connect the plug of the control panel HMI (8) to X30 (5) on the LOGON B.



- Place the lid (6) from bottom to top and secure with the 6 lid holders, so the brush hairs are on the inside of the box.
- Mount cover of the cable tray.
- Commissioning and parameterization of the heating circuits and DHW according to the installation design.

Connecting

Electrical connections

Connecting sensors

Depending on the hydraulic design and the type of boiler the following sensors should be connected:

Flow sensor VF/B1, B12

- position: at least 50cm above the heating circuit pump on the supply pipe after the mixing valve.

Outside temperature sensor AF/B9

- position: at least 2m above the ground, preferably on the northside of the building
- make sure there is no influence of chimneys, flues or windows
- fixation: make sure that the cable entry in on the bottom

DHW sensor B3, B31, B4, B41

Place the sensor in the pockets of the respective tanks

Max cable length for copper wiring

120m at 1,5mm²

80m at 1mm²

60m at 0,75mm²

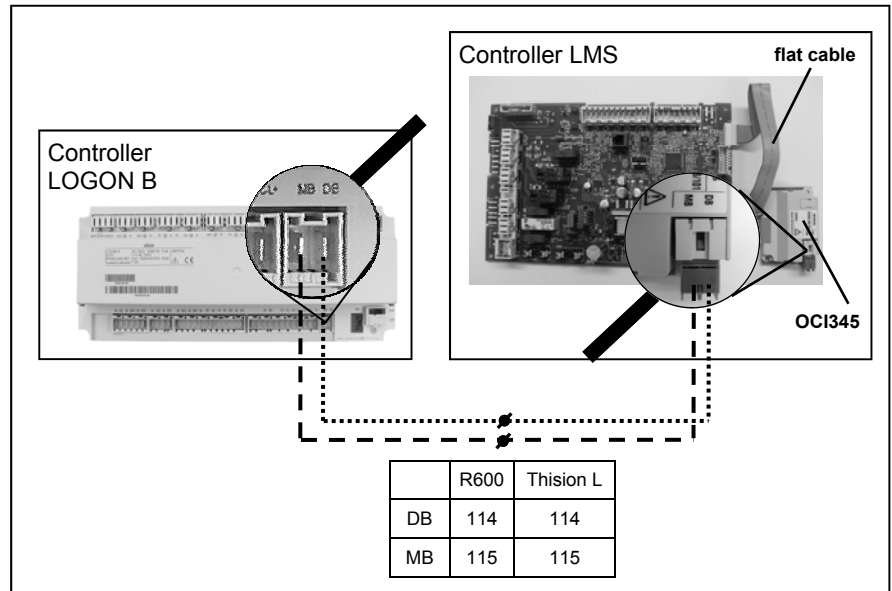
40m at 0,5mm²

20m at 0,25mm²

Connecting to LMS controller

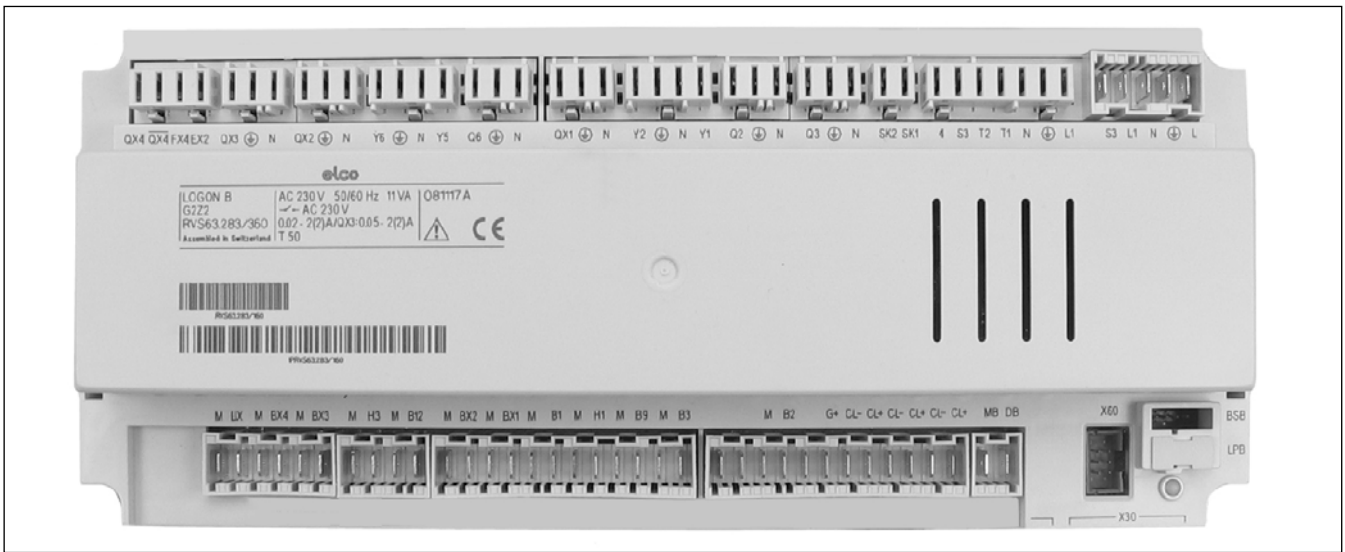
When the LOGON B controller is used for heating circuit extension to an existing LMS controller, a clip-in OCI345 is required. This will be connected to X11 on the LMS using a flat cable.

To make a connection the MB and DB terminals on both the LOGON B and OCI345 should be connected to the bus terminals of the boiler.



Connecting

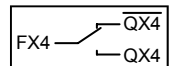
Electrical connections



Please check electrical diagram when connecting

230 V connections

| Terminal | Function |
|-----------------------|--|
| L, PE, N, L1, S3 | Power supply |
| L1, PE, N, T1, T2, S3 | Burner 1st stage (only 1-stage burner) |
| SK1, SK2 | Safety loop (only 1-stage burner) |
| N, PE, Q3 | DHW charging pump / diverting valve (max.2A) |
| N, PE, Q2 | Heating circuit 1 pump (max. 2A) |
| Y1, N, PE, Y2 | Heating circuit 1 mixing valve |
| N, PE, QX1 | Multifunctional output 1 (max.2A) |
| N, PE, Q6 | Heating circuit 2 pump (max. 2A) |
| Y5, N, PE, Y6 | Heating circuit 2 mixing valve |
| N, PE, QX2 | Multifunctional output 2 (max.2A) |
| N, PE, QX3 | Multifunctional output 3 (max.2A) |
| EX2 | Multifunctional input |
| FX4 | Multifunctional output 4 |
| QX4 | Multifunctional output 4 OFF |
| QX4 | Multifunctional output 4 ON |



Sensor connections

| Klemmen | Aansluiting |
|--------------|---|
| DB, MB | LPB - Bus |
| CL+, CL- | BSB - Bus |
| CL+, CL- | Room unit QAA75 (+=1 en - = 2) |
| CL+, CL-, G+ | Room unit QAA75 (+=1 en - = 2) |
| B2, M | Boiler flow sensor |
| B3, M | DHW sensor (top) (QAZ36) |
| B9, M | Outside temperature sensor (QAC34) Not required when outdoor temperature sensor is connected to the master controller. |
| H1, M | Digital / 0-10V input |
| B1, M | Heating circuit 1 Flow sensor (QAD36) |
| BX1, M | Multifunctional input 1 |
| BX2, M | Multifunctional input 2 |
| B12, M | Heating circuit 1 Flow sensor (QAD36) |
| H3, M | Digital / 0-10V input |
| BX3, M | Multifunctional input 3 |
| BX4, M | Multifunctional input 4 |
| UX, M | 0-10VDC output |

Setup

Commissioning and parameterization

Use as additional controller

The LOGON B controller is preset as additional controller (slave) with LPB address set to 2 (parameter 6600). Heat generation will be controlled by the boiler with LMS controller (Master) together with the connected heating circuits. Additional heating circuits, DHW and Solar DHW production will be controlled by the LOGON B. When the LOGON B is set as additional controller the following functions will not be supported: Buffer, Cascade, Solar heating, Solid fuel boiler.

| Device | Device address | Segment address | Function |
|----------------------------|-----------------|-----------------|----------|
| | LMS BZ: 6600 | LMS BZ 6601 | |
| Boiler with LMS controller | 1 | 0 | Master |
| LOGON B controller 1 | 2 | 0 | Slave 1 |
| LOGON B controller 2 | 3 | 0 | Slave 2 |
| ... | ... | 0 | ... |

System pump

When a boiler pump or system pump is being controlled by the Master controller, then this function has to be activated on the additional controller(s). For every set heating circuit on the additional controller(s) the following has to be set:

With primary controller / system pump:
set to Yes (CC1=Par. 872 /
CC2=Par.1172 / CCP=Par.1472 / DHW
storage tank=Par.5092)

Service: