theben

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OSIRIA KNX

Secondary clock



Designated use

With the OSIRIA KNX clocks, a secondary clock system can be set up using the cable network of a KNX system. The clock is synchronised via a time message from the KNX bus.
The OSIRIA KNX secondary clocks are suitable for installation in, among other places, sales rooms, factories, halls, schools or public buildings.
ETS (Engineering Tool Software) enables application programs to be selected, specific parameters and addresses to be assigned and transferred to the device.
The device is designed for wall installation. Only to be used in closed, dry rooms.

Safety instructions

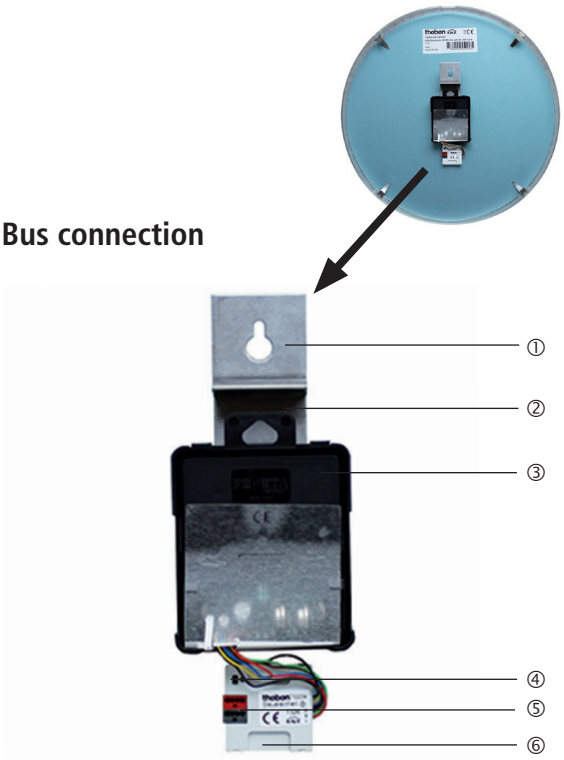
NOTICE

➢ Installation should only be carried out by a professional electrician.

➢ Mount OSIRIA 251 BQ not below a height of 2 m, since the clock has only a limited ball impact resistance (according to DIN 18032-3); see mounting instruction on the back of the clock.

Please note the provisions of EN 50428 for switches or similar installation material for use in building systems technology with regard to the correct installation of bus lines and device start-up procedure.
Tampering with, or making modifications to, the device will invalidate the guarantee.

Bus connection



① Device to fasten the clock (from 415 mm)
② Device to fasten the clock (up to 315 mm)
③ Clock unit
④ Programming push button and LED for the physical address
⑤ Bus terminal for bus connection: ensure correct polarity
⑥ Control unit

➢ Insert bus line in bus terminal of the control unit.
➢ Note polarity: red = +, black = –

Enter physical address

➢ Press program button ④.
– The programming LED lights up.
– Device is in program mode.

Start-up, diagnostics and configuration are handled via the ETS (Engineering Tool Software V3 or V4).

The double-sided clock OSIRIA KNX has 2 control units. Therefore both clocks must be registered in the KNX bus.
➢ Loosen screws on the top and bottom of the clock.
➢ Connect both clocks to the KNX bus.
➢ Assign physical addresses for both clocks.

Start-up

- When receiving carrier signals for the first time, a zeroing will take place after approx. 5 s, meaning the hour and minute hands are set to the 12 o' clock position.
- Then the clock automatically sets itself to the appropriate time.

Technical data

- Operating voltage: Bus voltage KNX
- Current consumption from the bus:
  max. 10 mA in Setting mode
  max. 8 mA in Normal mode
- Permissible ambient temperature:
  –5 °C ... +45 °C
- Power reserve: 10 days
- Protection class: III in accordance with EN 60730-1
- Protection rating: IP 20 in accordance with EN 60529

The ETS database is available at **www.theben.de**
Please refer to the KNX Handbook for detailed functional descriptions.

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