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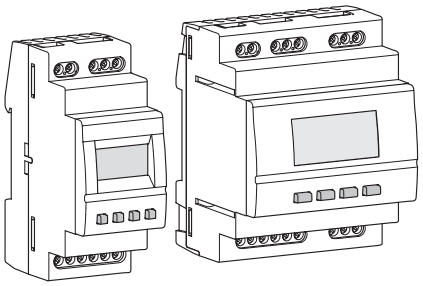

6LE005569B

Multi-function Time Switch 2 Channel Bluetooth®
Multi-function Time Switch 4 Channel Bluetooth®

Additional information is available by scanning the displayed QR code with your mobile terminal.

Hager Mood

Disponible sur Google play

Disponible sur App Store

Complies with IMDA Standards DA101847

EGN200AU, EGN400AU

Product Presentation

The EGN200AU and EGN400AU time switches are clocks with weekly and annual electronic programming that automatically control different loads.
Examples of applications: street lighting, neon signs, shop windows, monuments, facades etc.
The integrated astronomical clock can be set to switch loads according to sunset and sunrise times.
The connection of an EEN002 / EEN003 twilight sensor (optional) makes it possible to switch the loads according to brightness.
Programming by mobile terminal is recommended via Bluetooth® technology by using the configuration application (iOS and Android) available as a free download.

Main features

- Product delivered with updated time and day.
- Programming by application via Bluetooth® or local programming (except annual).
- Backlit screen.
- Automatic daylight savings time change.
- Astronomical mode.
- Programming by day or group of days.
- 200 or 400 program steps (depending on version) On, Off, pulses ⎍.
- Permanent overrides On or Off.
- Temporary overrides On or Off.
- Exceptions (temporary, permanent or delayed) can be activated remotely using a push button.
- Bar graph display of the daily profile for 2 or 4 channels (depending on version).
- Programmable when off via screen only (with limited functionality).
- Twilight switch function via an EEN002 or EEN003 wired brightness sensor.

Display and keys

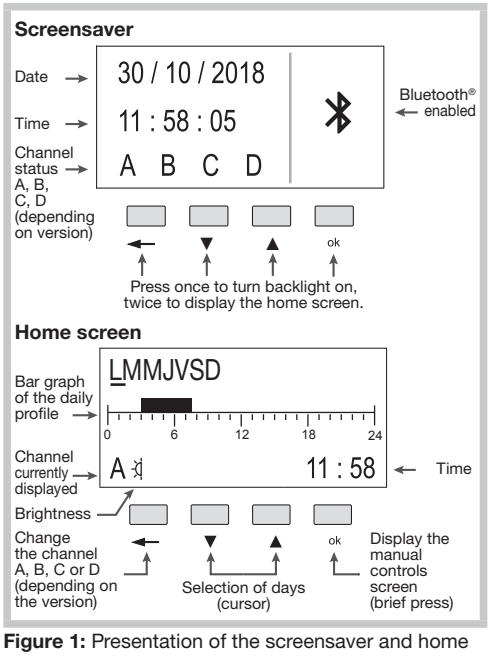

Figure 1: Presentation of the screensaver and home screen

Connection diagram

- Device to be installed only by a qualified electrician according to the standards applicable in the country.
- Before connecting the brightness sensor, or before carrying out any operations on it, cut the 230 V power supply to the clock.

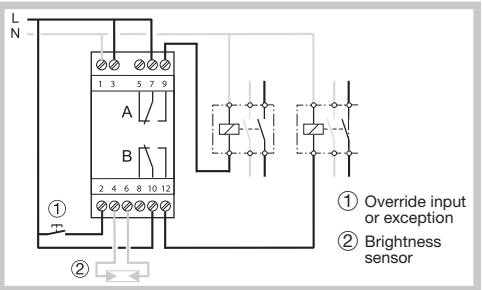

Figure 2: EGN200AU connection diagram (2 outputs)

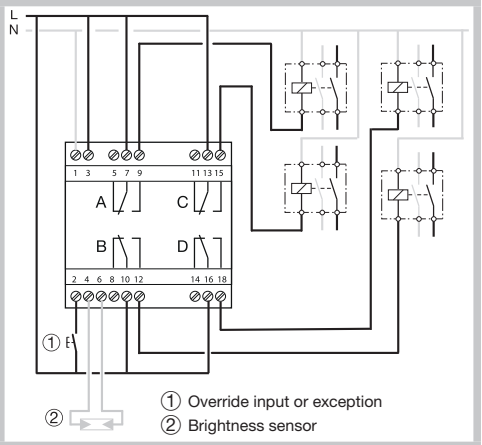

Image 3: EGN400AU connection diagram (4 outputs)

Technical specifications

Electrical specifications

- Supply voltage: 230 V~ +10/-15% and 240 V~ ± 6%
- Network frequency: 50/60 Hz
- Consumption: EGN200AU < 350 mW / EGN400AU < 500 mW
- Output 2 or 4 non-insulated changeover contacts (depending on the version)
- Max. breaking capacity: AC1 µ 16A 230 V~
- Incandescent light bulbs, power relay with contact: normally open / 2300 W_normally closed / 1500 W
- Halogen lamps: 230 V~ 2300 W
- Fluorescent tubes, compensated // (max. 45 µF), power relay with contact: normally open / 400 W_ normally closed / 300 W
- Fluorescent tubes, uncompensated, series compensated: 1000 W
- Compact fluorescent lamps and LED lamps, power relay with contact: normally open / 400 W_normally closed / 300 W
- Min. breaking capacity: AC1 100 mA 230 V~
- Rated shock voltage: 4 kV
- Maximum switching speed at full load: 6 switching cycles/minute

Functional features

- Programming capacity: 200 or 400 steps depending on the model
- Min. time between 2 steps: 1 minute
- Precision of operation: ±0.25 s/day
- The product switches to the standby state (display off) after 1 minute of no voltage or inactivity. It returns to auto mode when power is restored or when a key is pressed.
- Bluetooth® radio frequency: 2.4 - 2.483 GHz
  - Max. transmitting power: 10 mW
  - Range: 10 m in free field
  - Version: 4.2
- Mobile/PC terminal configuration
  - iOS version equal to or greater than 8
  - Android version equal to or greater than 5.1
  - Windows version equal to or greater than 10
  - Bluetooth®: version equal to or greater than 4.2
- Insulation class: 2
- Action type: 2B
- Software class: Class A
- Ball test T°: 75 °C
- Upstream protection: 16 A circuit breaker
- Stated voltage and current for EMC emissions testing: 230 V~ / - 0.5 A
- Protection class: IP20 (case), IP30 (case under faceplate)
- Impact resistance: IK04

Battery

- Power reserve: 10 years with no action
- Non-replaceable and non-rechargeable

Case

- EGN200AU dimensions: 36 mm / 2 modules
- EGN400AU dimensions: 72 mm / 4 modules
- DIN rail mounted independent product according to EN 60715

Environment

- Operating T° -5 °C to +45 °C
- Storage T° -25 °C to +70 °C
- Relative humidity: 95 % to 20°C
- Pollution category 2

Connection with screw terminals

- Rigid 0.2 to 4 mm²
- Flexible 0.2 to 2.5 mm²
- Screw recess: PH1

Initial set-up

With the configuration application

If the application is used to configure the clock, install as described below.

1. Directly access the download link of the application by scanning the **QR code** printed on the clock and the instructions with a mobile terminal.
2. Download and install the configuration application.
3. Check that Bluetooth® is enabled (see **Settings / BLUETOOTH** chapter).
4. Pair your mobile terminal and your clock via the Bluetooth® application.
5. Program your product via the application. To do this, follow the application instructions to configure the clock.

With the local programming interface

During initial set-up, set the following:

- language;
- year, month, day;
- hour and minutes;
- daylight savings time change.

Press keys ▲/▼ to enter the required settings on the display.
Press the **ok** key to confirm.
Once the settings are completed, the clock switches to automatic mode.

Manual commands

From the screen saver, press one of the 4 keys twice to activate the backlight and then switch to the home screen. Display the manual controls screen by pressing the **ok** key.
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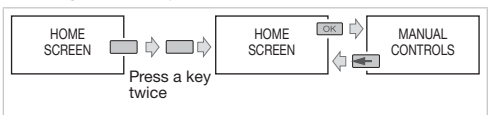


All programming and settings are based on the following principle:

- Keys ▲/▼ are used to navigate between outputs A, B, C and D (depending on version).
- briefly press the OK key repeatedly to display the various manual control options for the selected output.

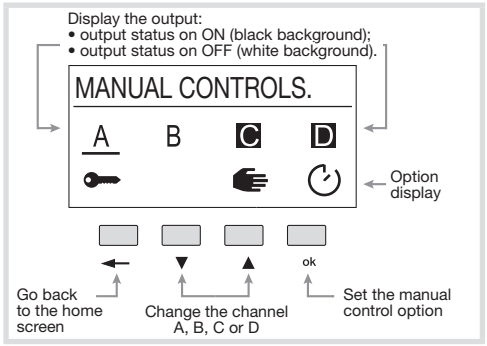


Figure 4: presentation of the manual controls screen.

The ← key can be used to return to the home screen at any time.

The manual control options available for each output (A, B, C and D) are:
- ⏲: exception on ON or OFF of the output with respect to the current command. The return to automatic mode will occur at the next program step.
- 🔑: override on ON or OFF of the output (permanent command). The override function forces an output when in ON or OFF status. No other command (ON, OFF, timer, pulse or exception) is taken into account if the override is active. Only cancelling the override or a manual command via the front panel will authorize other commands again.
- ☝: manual on ON or OFF of the output (highest priority command and only available if the product has these buttons).

Priority: Manual mode > Override > Exception.

Reset

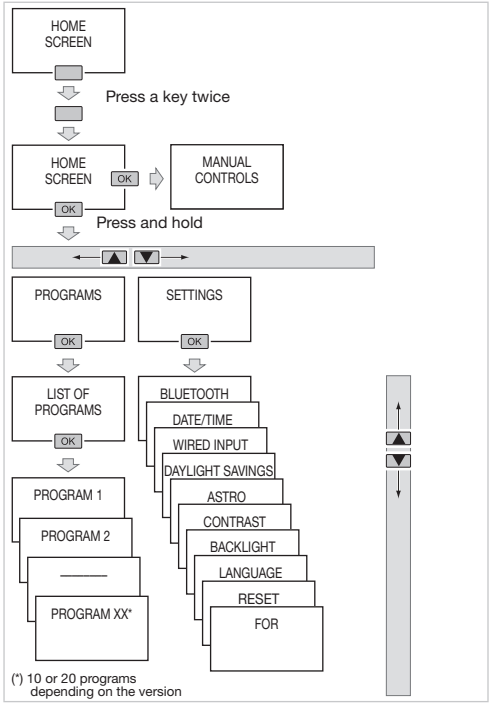
It is possible to reset the Bluetooth® or **switch back to the product factory** settings.
Reset is accessible via:
- configuration application;
- locally on the clock, for more information, refer to **Settings / Reset** (available in the complete installation instructions).

Menu

If programming was performed via the configuration application, the period (annual cycle) cannot be changed from the pop-up menu.

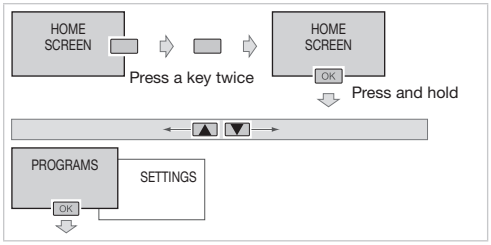
From the screen saver, press one of the 4 keys twice to activate the backlight and then switch to the home screen. Press and hold the **ok** key to view the **Programs / Settings** menu.
All programming and settings are based on the following principle:
- keys ▲/▼ are used to navigate the menus and enter settings;
- the **ok** key is used to confirm.

The ← key can be used to return to the previous selection level at any time.



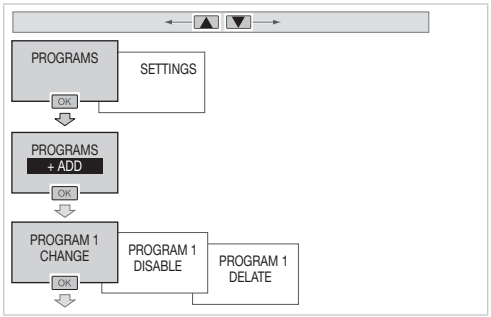
Programs

To access the programs:

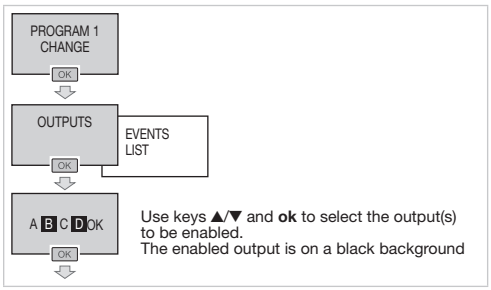


WRITE / CHANGE PROGRAM

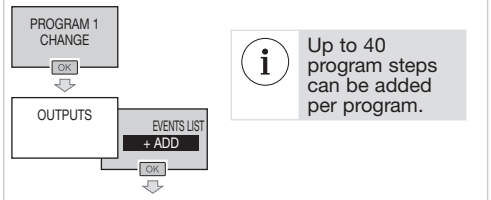
It is possible to create up to 10 or 20 programs (depending on version).
In order to create a program:
- Select the **+ Add** function;
- Change the program.



Then define a weekly program. In order to do this:
- Program the selection of the output (or outputs) in question.



Press the **ok** key after selecting OK to go back to the **Change** menu.
- In the list of events, create the first programming step by selecting **+ Add**, then:
  - define the type of action linked to the program step,
  - define the trigger linked to the program step,
  - select the day (or days) of the week linked to the program step.



KEY LOCK

This function is used to lock the clock keypad. It can be accessed via the configuration application or locally using keys **ok** and ←.
- To enable this function locally, simultaneously press the keys **ok** and ← (> 3 s) until the 🔒 symbol is displayed (2 s).

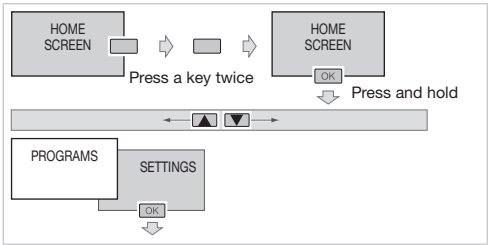
The user only accesses the home screen and views the current program and the status of the outputs.

- To disable this function locally, simultaneously press the keys **ok** and ← (> 3 s) until the 🔓 symbol is displayed (2 s).

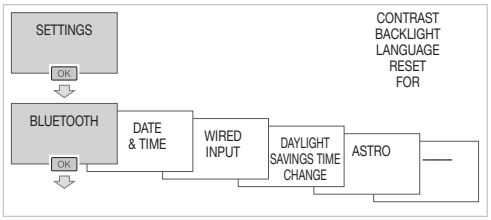
The user can access all screens.

Settings

To access settings:



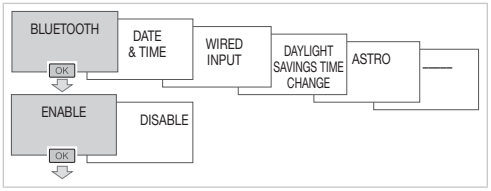
The **Settings** menu provides access to the following settings:



BLUETOOTH

Bluetooth® activation

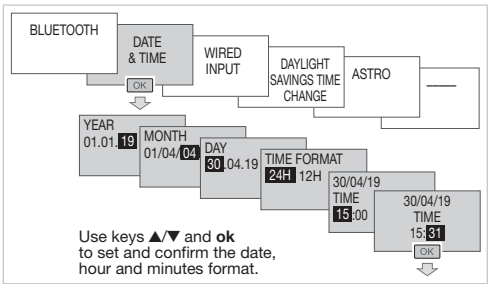
Enable the Bluetooth® function if the setup application is used to program your clock.



Press **ok** to confirm and the ← key to go back to the **Settings** menu.

DATE- TIME

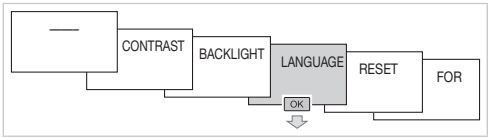
Set time and day



Press **ok** to confirm and go back to the **Settings** menu.

LANGUAGE

Select the desired language from among the following languages: FRANÇAIS, DEUTSCH, ENGLISH, NEDERLANDS, PORTUGUES, ESPAÑOL, ITALIANA, ΕΛΛΗΝΙΚΗ, SVENSKA.



Press **ok** to confirm the language and go back to the **Settings** menu.

- When a load greater than 10A is used, a 2.5 mm² cable must be used.
- Not suitable for controlling SELV loads.

CE and

Hager Controls hereby declares that this EGN200AU and EGN400AU Time Switch radio equipment complies with the essential requirements and other relevant provisions of Directive 2014/53/EU.

The CE declaration can be viewed at: **www.hager.com**