finder
RELAYING INNOVATION

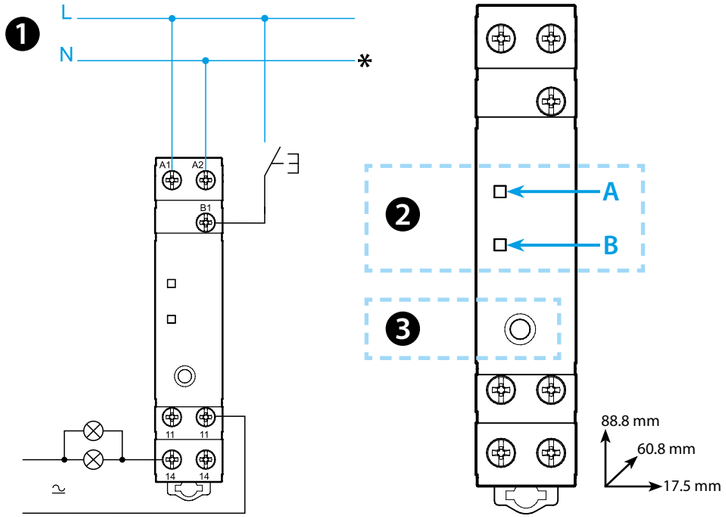
12.C1

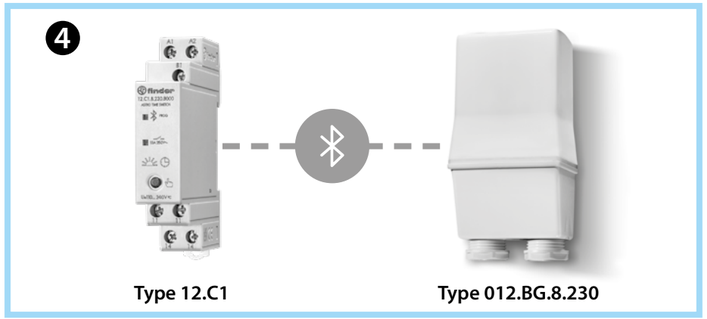
EN 60669-1 / EN 60669-2-1	
	12.C1.8.230.B000 U_N 110...230 V AC/DC (50/60 Hz) U_{min} 88 V AC (50 Hz) U_{max} 264 V AC (50 Hz) P 1.5 VA (50 Hz) / 0.5 W
	1 NO (SPST–NO) 10 A 250 V AC
	AC1 2500 VA AC15 (230 V AC) 500 VA
	LED (acc. to IEC 60669-2-1) 300 W halogen 1800 W
	(–10…+50)°C
T_{min} = 1 sec	
IP20	

Download on the App Store

TOOLBOX

GET IT ON Google Play





Utility Model - IB12C1VXX - 01/26 - Finder S.p.A. con unico socio - 10040 ALMESE (TO) - ITALY

ENGLISH

12.C1 BLUETOOTH WEEKLY ASTRONOMICAL TIME SWITCH (1 MODULE)

1 CONNECTION DIAGRAM
WIRED PUSH BUTTON
Pressing the push button briefly (< 2 seconds) will switch the relay status.
The relay will switch back to the programme status at the next time slot.
Push button operation can be disabled via the app.
B1 push-button on phase / ✻ B1 push-button on neutral

2 LED DESCRIPTION
A PROG (MULTICOLOURED LED)
- **STEADY RED**: time needs setting
- **FLASHING RED**: Bluetooth communication failed
- **STEADY BLUE**: Bluetooth connection in progress
- **FLASHING BLUE**: waiting for connection with smartphone
- **STEADY GREEN**: time correctly set
- **FLASHING GREEN**: Bluetooth communication successful
- **YELLOW 1 FLASH**: the device has the time but no on/off programme
- **YELLOW 2 FLASHES**: device has the on/off schedule but not the correct time
- **PURPLE**: Holiday programme active
- **PURPLE – 1 FLASH**: Holiday programme active but no on/off programme

B CONTACT
The LED is red when the relay contacts are closed, and off when the relay contacts are open

3 DEVICE PUSH BUTTON
3a COMMUNICATION WITH THE APP
To function correctly, the device needs to be configured via the Finder Toolbox app.
To start communication with the device, press and hold the push button for 3 seconds.
The '**PROG**' LED will start flashing blue.
3b CONTACT SWITCHING
Pressing the push button once (< 2 sec) will switch the relay status.
The relay will switch back to the programme status at the next time slot.
The operation of the push button can be disabled via the app.
3c FACTORY SETTINGS
The device can be reset to factory settings by pressing the push button for 12 seconds.

4 GPS SYNCHRONIZATION
The device's time can be synchronized using the Bluetooth GPS antenna type **012.BG**.
If this antenna is installed within 10 metres (free field) of one or more Type 12.C1, the time is monitored and will be synchronized in one of the following ways:
4a AT NIGHT
Every day at 4:40 a.m. an automatic search for the Type **012.BG** antenna takes place to perform time synchronization
4b AT FIRST POWER-UP
After 7 minutes of each power-up, an automatic search for the antenna type **012.BG** takes place to perform time synchronization
4c MANUALLY VIA THE APP
With the Finder Toolbox app via the synchronization push button, it is possible to:
- Perform hourly synchronization
- Check the last synchronization performed
- Check the quality of the antenna radio signal

The outcome of the communication with the **012.BG** is indicated by the **PROG** LED: green successful, red (for a duration of 3 seconds) un-successful.
NOTE
Every time the device is powered from a 230V mains supply, it automatically enters Bluetooth connection search mode to communicate with the phone via the Finder Toolbox app. The outcome of the communication is shown by the flashing of the **PROG** LED: green if it was successful, red un-successful.

POWER BACKUP
Dependent on how long the device has been powered:
15 minutes → approx. 16 hours
1 hour → approx. 36 hours
12 hours → approx. 3 days
24 hours → 7 days
NOTE
Values only approximate

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