

frogblue room thermostat

frog81-Control
CU-frog81-C.01

Multifunctional room thermostat

Intended use

Multifunctional room thermostat measuring 81 x 81 x 14.3 mm with LED matrix display, 5 touch buttons and sensors for measuring temperature and humidity. Power supply via frogPlug/fBus interface.

A Plug230 is required for commissioning. **Not included in scope of delivery.**

Safety instructions

Installation and assembly of electrical devices may only be carried out by qualified electricians.

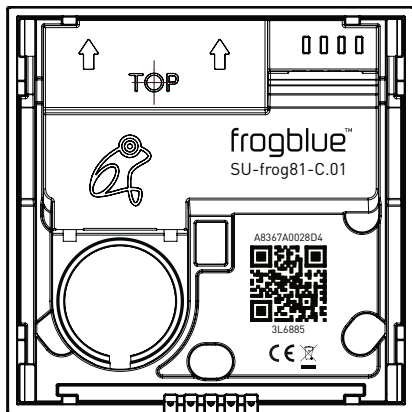
Non-observance of the instructions may cause damage to the device, fire or other hazards!

Risk of electric shock. Before working on the device, disconnect the mains voltage and switch off the automatic circuit breaker.

Country-specific regulations must be observed.

These instructions are part of the product and must remain with the customer.

Device configuration



No direct power connection on the product. Connection via pin strip on Plug230.

Function

System information

This device is a frogblue system product. Detailed expertise gained from frogblue training is required.

The function of the device depends on the software. Detailed information about software versions and the respective scope of functions can be found on the frogblue website.

Technical descriptions, more detailed instructions and information on proper disposal are contained in the manual, which is available on the frogblue website. Start-up and configuration are carried out with the frogblue app.

Product features:

1. 5 glass touch buttons
2. Bluetooth interface
3. Brightness, humidity and temperature sensor
4. Time buffer
5. Supply via Plug230

Information for qualified electricians

Installation and electrical connection



DANGER!

Electric shock from touching live parts.

Electric shock can be fatal.

Before working on the device, disconnect it from the mains and cover any live parts in the vicinity!



DANGER!

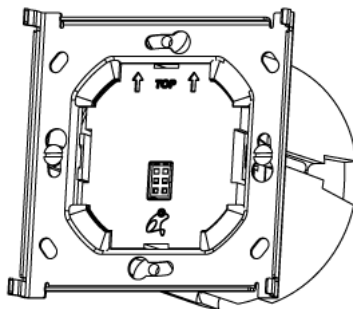
Mains voltage (>50 V) must never be connected to the inputs. This will jeopardise the safety of the entire system! This could put people at risk and destroy equipment and facilities!

The extra low voltage lines must not be routed through the same opening as the low voltage lines into the junction box and should be routed as spatially separated as possible.

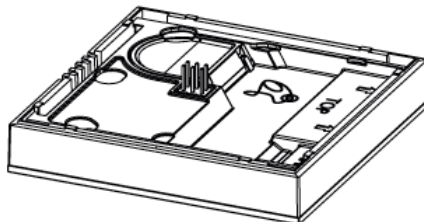
Installing the device

Connect the Plug230 (**not included**) in accordance with the Operating Instructions and fasten in the flush-mounted socket using the supplied metal frame (30.185) and screws.

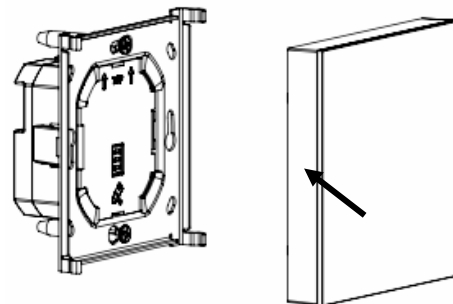
Remove the battery insulator tabs from the



frog81. Attach the frog81 to the frame using a pin strip and plug in Plug230. Observe the correct alignment.

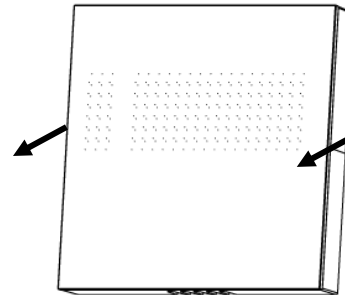


Align the sides of the frog81 housing. Remove the protective film



Removing the device

Grip the housing at the sides and pull out of the plug-and-socket connection.



For removing the Plug230, see the relevant operating manual.

Technical data

Mains voltage	max. 24 V DC (fBus) or 3 V DC (Plug230)
Bluetooth	Bluetooth 4.2 low energy
Frequency range	2400–2483.5 MHz, max. 2.5 dBm
Ambient temperature	-20 to +55 °C
Storage/transportation temperature	-25 to +70 °C
Plug interface:	SELV
Dimensions (L x W x H)	81 x 81 x 14 mm
Connection type fBus	Spring terminal
Conductor cross-section of fBus wire	0.6 ... 0.8 mm Ø

Subject to technical changes.

Warranty

The warranty is provided by specialist dealers within the framework of the statutory provisions.



CAUTION

Device contains a lithium battery. Do not dispose of the device by throwing it into a fire or crushing it mechanically.

Declaration of Conformity

frogblue AG, Luxemburger 6, 67657 Kaiserslautern, Germany, hereby declares that this product complies with the fundamental requirements and other relevant conditions of the Directives.

2014/53/EU RED Directive
2011/65/EU RoHS Directive

A copy of the Declaration of Conformity is available at: www.frogblue.com