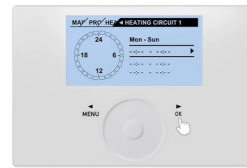


**STIEBEL ELTRON**

STIEBEL ELTRON FEB 2.1  
Programming  
Thermostat



# STIEBEL ELTRON FEB 2.1 Programming Thermostat Installation Guide

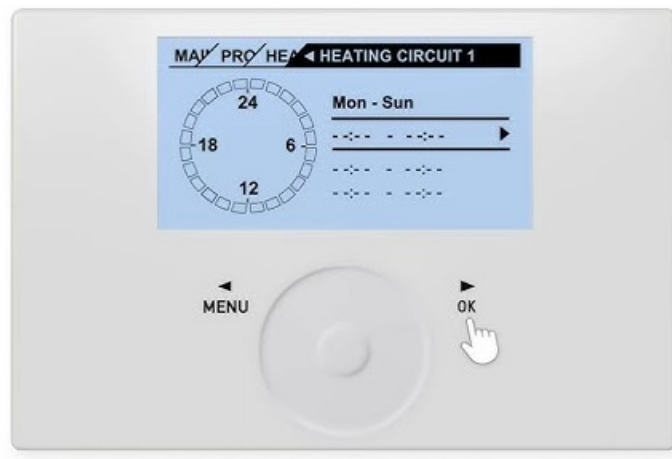
[Home](#) » [STIEBEL ELTRON](#) » STIEBEL ELTRON FEB 2.1 Programming Thermostat Installation Guide 

## Contents

- [1 STIEBEL ELTRON FEB 2.1 Programming Thermostat](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 SPECIAL INFORMATION](#)
- [5 General information](#)
- [6 Safety](#)
- [7 Appliance description](#)
- [8 Preparation](#)
- [9 Installation](#)
- [10 Commissioning](#)
- [11 Specification](#)
- [12 Guarantee](#)
- [13 Documents / Resources](#)
  - [13.1 References](#)
- [14 Related Posts](#)

**STIEBEL ELTRON**

STIEBEL ELTRON FEB 2.1 Programming Thermostat



## Specifications

- Model: FEB 2.1
- Operating Voltage: 206612 V
- Width: 96 mm
- Depth: 145 mm
- Height: 31 mm

## Product Information

The product is a device designed for specific operations and functions related to electrical control and monitoring. It comes with safety features and general guidelines for usage.

## Product Usage Instructions

### General Information

The appliance is suitable for individuals over 8 years old and those with reduced physical capabilities, under supervision or with proper instructions on safe operation.

### Symbols in the Document

References to symbols such as “!” indicate potential risks like electrocution. Users should pay attention to these symbols throughout the manual.

### Safety Guidelines

Follow all national and regional regulations while using the product. Ensure proper installation and maintenance to prevent accidents.

### Installation

Install the device as an external control unit by breaking the designated points on the wall and disconnecting the power supply by unplugging the power cord from the outlet.

### Operation

Read the instructions carefully before using the appliance. Keep the manual for future reference and share it with new users if needed.

### Technical Data

Refer to the technical data table for specific details on operating voltage, dimensions, and other relevant specifications of the product.

## FAQ

### Q: What should I do in case of an electrical fault?

A: In case of any electrical issues, immediately disconnect the power supply by unplugging the device from the outlet and seek professional assistance.

## SPECIAL INFORMATION

The appliance may be used by children over 8 years of age and persons with reduced physical, sensory or mental capabilities or a lack of experience and expertise, provided that they are supervised or they have been instructed on how to use the appliance safely and have understood the potential risks. Children must never play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.

## OPERATION

### General information

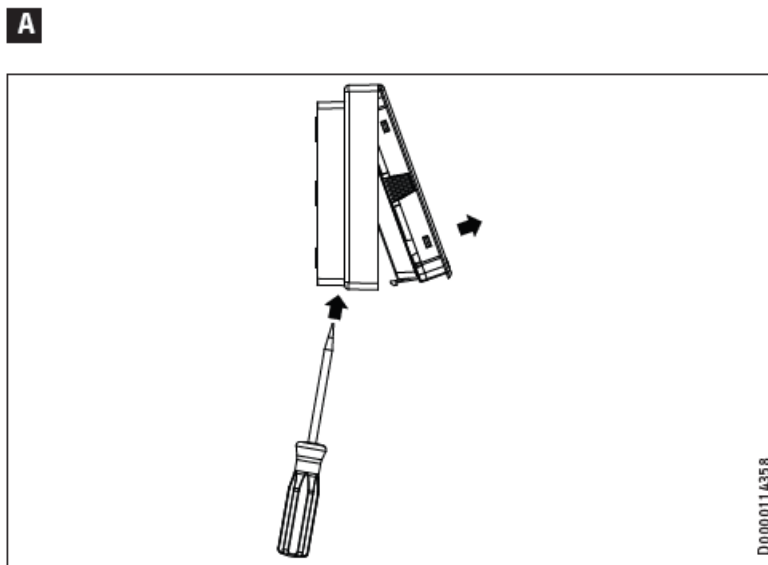
The chapters "Special information" and "Operation" are intended for appliance users and qualified contractors. The chapter "Installation" is intended for qualified contractors.

### Note

Read these instructions carefully before using the appliance and retain them for future reference. Pass on these instructions to a new user if required.

### Symbols in this document

This symbol is a reference to Fig. A.



### Other applicable documents

Operating and installation instructions of the ventilation unit



## Safety instructions

### Structure of safety instructions

A KEYWORD Type of risk

Here, possible consequences are listed that may result from failure to observe the safety instructions. Steps to prevent the risk are listed.

## Symbols, type of risk

Symbol	Type of risk
	Injury
Symbol	Type of risk
	Electrocution

## Keywords

KEYWORD	Meaning
DANGER	Failure to observe this information will result in serious injury or death.
WARNING	Failure to observe this information may result in serious injury or death.
CAUTION	Failure to observe this information may result in non-serious or minor injury.

## Units of measurement

### Note

All measurements are given in mm unless stated otherwise.

## Safety

### Intended use

The device is a programming unit for ventilation units.

The appliance is intended for domestic use. It can be used safely by untrained persons. The appliance can also be used in non-domestic environments, e.g. in small businesses, as long as it is used in the same way.

Any other use beyond that described shall be deemed inappropriate. Observation of these instructions and of the instructions for any accessories used is also part of the correct use of this appliance.

## General safety instructions

### WARNING Injury

The appliance may be used by children over 8 years of age and persons with reduced physical, sensory or mental capabilities or a lack of experience and expertise, provided that they are supervised or they have been instructed on how to use the appliance safely and have understood the potential risks. Children must never play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.

### WARNING Electrocution

Only qualified contractors may carry out the connection in accordance with these instructions. Carry out all electrical connection and installation work in accordance with national and regional regulations.

### WARNING Electrocution

Contact with live components presents a threat to life.

Before working on the electrical installation, disconnect the circuit from the power supply. Switch off the fuse/MCB in the distribution board. Secure the power supply against unintentional reconnection.

- The qualified contractor is responsible for adherence to all applicable regulations during installation and commissioning.

- The appliance should only be operated once it is fully installed and all safety equipment has been fitted.
- Protect the appliance from dust and dirt during building work.

**Test mark**

See type plate on the appliance.

**Appliance description**

The programming unit enables convenient operation and the display of system parameters from the living space. Communication is via i<sup>2</sup>C bus. The programming unit is installed on a surface box.

**Operation**

See the operating instructions for the ventilation unit for information on operation.

**INSTALLATION****Safety**

Only a qualified contractor should carry out installation, commissioning, maintenance and repair of the appliance.

**General safety instructions**

We guarantee trouble-free function and operational reliability only if original accessories and spare parts intended for the device are used.

**Instructions, standards and regulations****Note**

Observe all applicable national and regional regulations and instructions.

**Standard delivery****Preparation****Installation site**

The length of the bus cable between the programming unit and ventilation unit must not exceed 20 m. Observe the following installation location requirements to ensure correct function.

- Fit the appliance to an internal wall, but not in a recess.
- Never cover the appliance with curtains, etc.
- Ensure the device is not directly exposed to external heat sources (e.g. the sun, central heating or a TV set).
- Avoid direct draughts coming from windows and doors.

**Installation**

For installation, remove the appliance from the wall mounted enclosure:

Release the locking tab found in the opening on the under-side of the wall mounted enclosure. Press the locking tab with a screwdriver.

**Installation as an external programming unit**

Route a 4-core bus cable from the ventilation unit to the mounting position of the programming unit. Use a screened electronic cable such as LiYCY 2x2x0.8 mm<sup>2</sup>. Do not route the cable parallel to a three-phase cable. The BUS cable must protrude 20 to 30 cm out of the wall to allow installation.

### Installation with a flush box

For securing to a wall we recommend using a flush box, which can hold the part of the bus cable protruding from the wall.

- Make sure that the screws supporting the flush box are arranged either vertically or horizontally opposite one another.

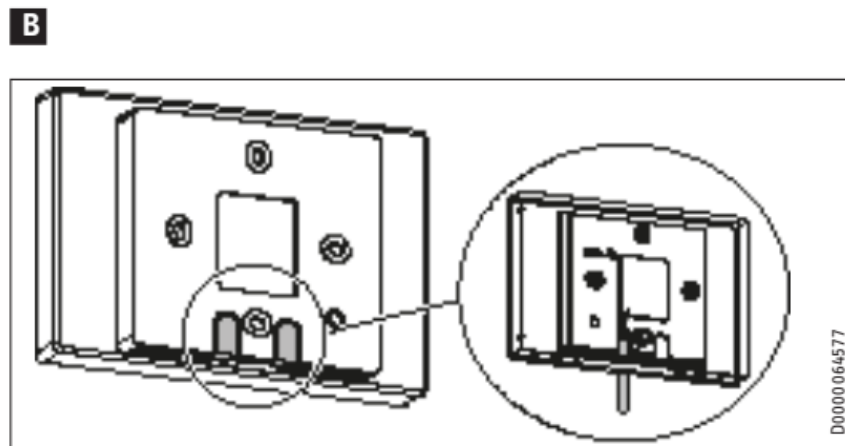
Route the bus cable through the aperture in the wall-mounted enclosure from the back.

### Installation without a flush box

- To secure the wall-mounted enclosure, drill four holes (Ø 5 mm).
- When routing the BUS cable, be careful not to damage the cable when drilling the fixing holes.

In the area around the power cable entry (behind the wall mounting enclosure), a reservoir needs to be made to hold 20 to 30 cm of data cable.

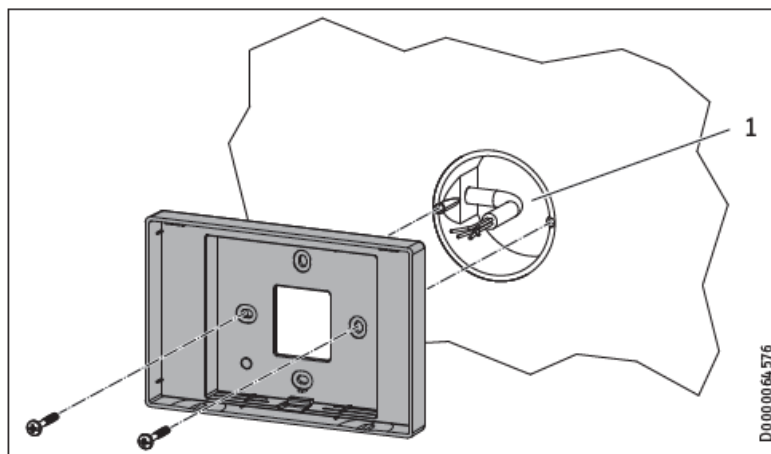
## B



- Break out one of the knock-outs in the wall-mounted enclosure.
- Route the bus cable through the aperture from the back.

### Installing the wall mounted enclosure

## C

**C**

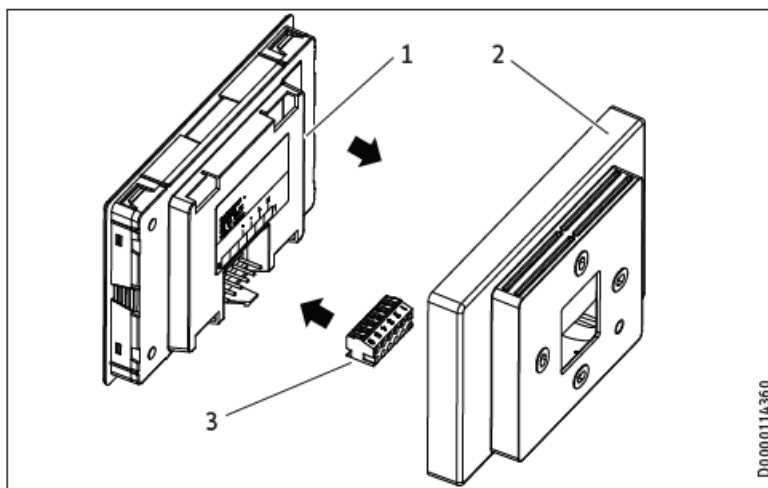
#### 1. Flush box

Secure the wall mounted enclosure to the flush box or to the wall using the screws provided.

### Electrical connection

Connect the bus cable to the ventilation unit. See the installation instructions for the ventilation unit.

### Commissioning

**D****D**

1. Appliance
2. Wall mounted enclosure
3. 6-pole socket plug

Connect the bus cable to the female connector.

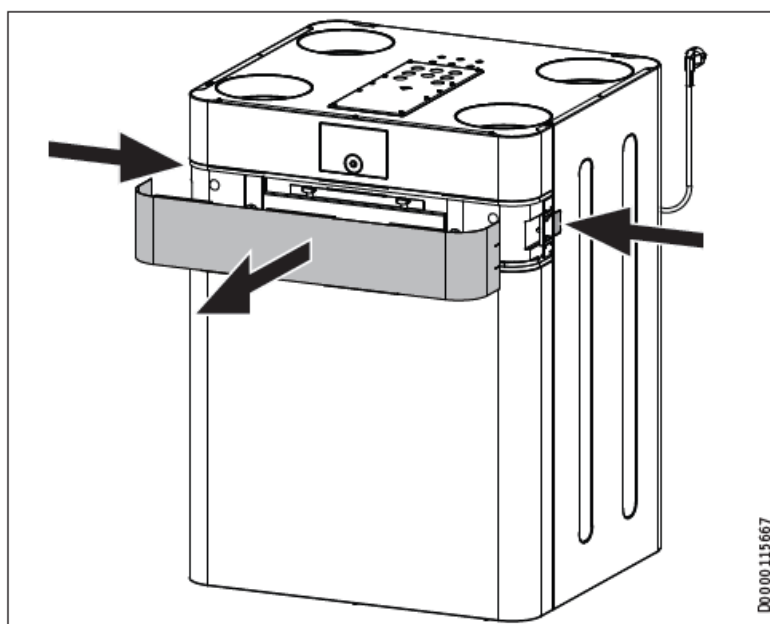
6-pole socket plug	
1	Not assigned
2	Not assigned
3	GND
4	+5 V DC
5	SDA
6	SCL

### Complete Installation

Carefully push the unit into the wall-mounted enclosure until it engages.

### Installation as a spare part in the ventilation unit

**E**



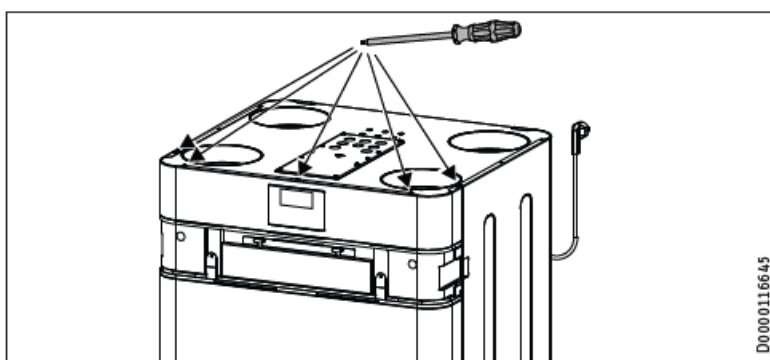
**E**

Disconnect the power supply by pulling the power plug from its socket.  
To release the filter cover, press the cover fastening on both sides of the appliance.

**F**

Pull the filter cover forwards to remove it from the appliance.  
From above, undo the screws securing the top front panel to the ventilation unit.

**F**



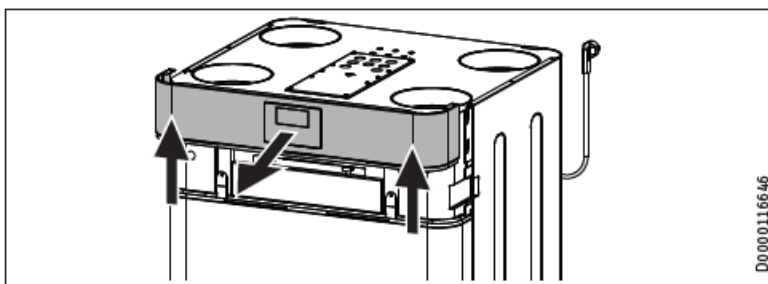
**G**



A cable is connected at the back of the programming unit.

To avoid damaging the cable and programming unit, lift the top front panel carefully off the ventilation unit.

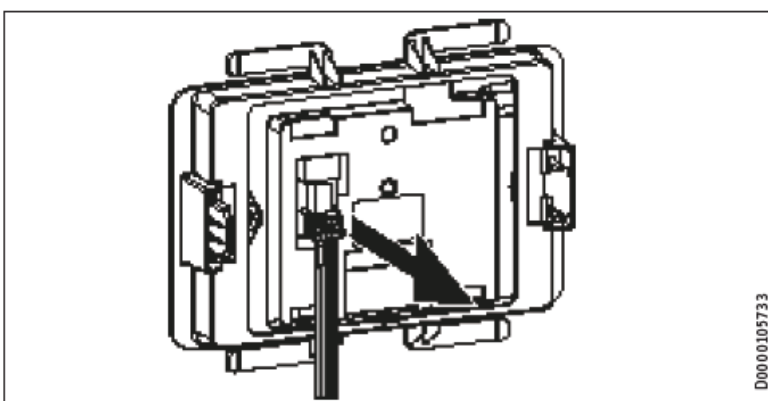
**G**



**H**

Disconnect the cable from the back of the programming unit.

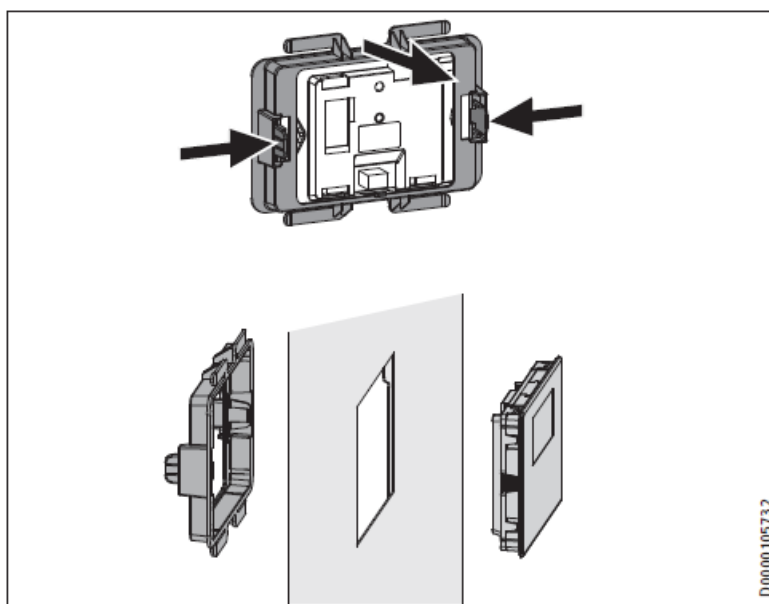
**H**



**I**

At the back of the programming unit, press the side locking tabs inwards and remove the frame from the programming unit.

**I**



- Place the new programming unit into the top front panel from the front.
- Fit the frame on the back of the programming unit.
- Press carefully on the programming unit until it clicks into place in the frame.
- Insert the cable into the slot at the back of the programming unit.
- Fit the top front panel to the ventilation unit.

## Commissioning

### Appliance handover

Explain the appliance function to users and familiarise them with how it works.

### Note

Hand over these operating and installation instructions to users for safekeeping. All information in these instructions must be closely observed. The instructions provide information on safety, operation, installation and maintenance of the appliance.

## Specification

### Dimensions

#### Data table

		FEB 2.1
		206612
Operating voltage	V	5
Height	mm	96
Width	mm	145
Depth	mm	31

## Guarantee

The guarantee conditions of our German companies do not apply to appliances acquired outside of Germany. In countries where our subsidiaries sell our products a guarantee can only be issued by those subsidiaries. Such guarantee is only granted if the subsidiary has issued its own terms of guarantee. No other guarantee will be granted.

We shall not provide any guarantee for appliances acquired in countries where we have no subsidiary to sell our products. This will not affect warranties issued by any importers.

## Environment and recycling



Dispose of the appliances and materials after use in accordance with national regulations.

If a crossed-out waste bin is pictured on the appliance, take the appliance to your local waste and recycling centre or nearest retail take-back point for reuse and recycling.




This document is made of recyclable paper.

Dispose of the document at the end of the appliance's life cycle in accordance with national regulations.

## STIEBEL ELTRON GmbH & Co. KG

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## Documents / Resources

	<p><b><a href="#">STIEBEL ELTRON FEB 2.1 Programming Thermostat</a> [pdf] Installation Guide</b> D0000117559, D0000105732, FEB 2.1 Programming Thermostat, FEB 2.1, Programming Thermostat, Thermostat</p>
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## References

- [Sachverständigenbüro ELTRON - Startseite](#)
- [STIEBEL ELTRON International](#)
- [User Manual](#)

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