

OPERATION AND INSTALLATION

» Service tool CNS UK

STIEBEL ELTRON

OPERATION

1. General information

This manual is intended for appliance users and 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.

1.1 Relevant documents



Operating and installation instructions for the CNS 50 to 200 Trend NC wall mounted convector.

1.2 Safety instructions

1.2.1 Structure of safety instructions



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.

1.2.2 Symbols, type of risk

Symbol

Type of risk



Injury

1.2.3 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.

OPERATION

Safety

1.3 Other symbols in this documentation



Note

General information is identified by the adjacent symbol.

- ▶ Read these texts carefully.

Symbol	Meaning
	Material losses (appliance damage, consequential losses and environmental pollution)
	Appliance disposal

- ▶ This symbol indicates that you have to do something. The action you need to take is described step by step.

2. Safety

2.1 Intended use

The unit is used for programming Stiebel Eltron wall mounted convectors. The service tool is intended for operation inside buildings and must be protected from moisture. It may only be used at ambient temperatures of 5 °C to 35 °C.

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.

2.2 Test symbols

See type plate on the appliance.

3. Standard delivery

Standard delivery of the service tool CNS UK includes the following components:

- Service tool CNS UK
- Stylus
- Plug-in power supply unit and Micro USB cable for charging the internal battery
- 6-pole M8 RJ10 data cable for connection to compatible wall mounted convectors

Appliance description

4. Appliance description

The service tool is used for programming Stiebel Eltron wall mounted convectors.

Compatible wall mounted convectors are equipped with the additional "Room control" operating mode.

Room control mode is configured and activated via this service tool – e.g. by the caretaker in a student hall of residence. Programming must then be applied to the wall mounted convectors via a data cable.

For room control mode, the set room temperatures for Boost, Setback and Frost modes are set via the service tool and applied to the wall mounted convectors.

In addition, for Boost and Setback, a timer can be programmed with a time period for each operating mode.

- After room control mode activation for the convector via the service tool, the wall mounted convector initially operates in Setback mode.
- The user of the wall mounted convector can start Boost mode at any time using the programming unit.
- The Boost temperature is then active for the preset period (Boost timer).
- After the Boost timer has expired, the wall mounted convector switches to the Setback temperature.

- If no time period is configured for Setback, (Setback timer is set to 0), the set temperature remains at the Setback temperature constantly.
- Otherwise the convector will switch to Frost mode once the Setback timer has expired.

Existing programming of the wall mounted convectors can also be read out, modified and played back.

5. Switching the appliance on and off



▶ Press the button to switch on the unit.

- After pressing the button on the unit, the screen briefly lights up before turning dark again for about 10 seconds.
- Then the Stiebel Eltron Logo is displayed during the starting procedure.
- Once the starting procedure is complete, the start screen appears.
 - ▶ Press the "OFF" button, to switch off the unit.
- After 10 minutes without user input the service tool switches off automatically.

6. Operation

The service tool has a touchscreen which can be operated either with the supplied stylus or your fingers. Inputs are made intuitively using menus and on-screen keyboards.



▶ Display the start screen.



▶ Confirm input and return to previous menu level.



▶ Discard input and return to previous menu level.

6.1 Start screen

On the start screen, you can choose between the "Settings" menu and the "Service tool" app.

- ▶ Press "Service tool" to program wall mounted convectors.
- ▶ Press "Settings" to adjust the brightness of the service tool display.



Note

▶ The other options under "Settings" are intended for Stiebel Eltron Service only.

7. Settings/programming

Parameter	Description
Room control	Here you can activate the room control mode function of the wall mounted convector.
Open window	To avoid unnecessary energy consumption when venting, the window open detection of the wall mounted convector can be permanently activated via the service tool.
Boost	Temperature setting for Boost mode. Input in °C from 5 to 30 degrees. The Boost temperature must be higher than the Setback temperature.
Setback	Temperature setting for setback mode. Input in °C from 5 to 30 degrees.
Frost	Temperature setting for frost protection. Input in °C from 5 to 10 degrees.
Boost timer	Timer for Boost mode. Setting in hours and minutes.
Setback timer	Timer for Setback mode. Setting in hours and minutes.

Applying configuration

Parameter	Description
Room temp offset	Uneven temperature distribution in the room can result in a differential between the displayed actual temperature and the room temperature you measure yourself. To compensate for this differential, you can select a room temperature offset of ± 3 °C.

8. Applying configuration

Once you have programmed a configuration using the service tool, you have to apply this to the individual wall mounted convectors:

- ▶ Connect the supplied data cable to the service tool.
- ▶ Connect the data cable to the RJ10 socket on the wall mounted convector.
- Once the connection is established, the top line in the service tool display shows "I2C".
- ▶ To apply the programming to the wall mounted convector, press the "write" button.
- ▶ To read out the current programming of the wall mounted convector, press the "read" button.



Note

- ▶ The currently displayed parameters are the ones that will remain in the unit's memory (e.g. after reading out the parameters of a wall mounted convector using "read").

9. Charging the internal battery

The service tool is battery powered with a runtime of approximately 2 hours. The current charging status of the internal battery is shown in the top line of the display.

The battery is charged via a Micro USB socket.

- ▶ Connect the USB power supply unit to the socket on the bottom of the unit with a Micro USB cable.

The charging time for a full charge is approximately 4 hours.



Note

- ▶ Fully charge the battery prior to use.
- ▶ Only Ni-Mh batteries may be used with the unit.

10. Cleaning, care and maintenance

- ▶ Never use abrasive or corrosive cleaning agents. A damp cloth is sufficient for cleaning the unit.

11. 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.

12. Environment and recycling

We would ask you to help protect the environment. After use, dispose of the various materials in accordance with national regulations.

Deutschland

STIEBEL ELTRON GmbH & Co. KG
Dr.-Stiebel-Straße 33 | 37603 Holzminden
Tel. 05531 702-0 | Fax 05531 702-480
info@stiebel-eltron.de
www.stiebel-eltron.de

Verkauf Kundendienst Ersatzteilverkauf

Tel. 05531 702-110 | Fax 05531 702-95108 | info-center@stiebel-eltron.de
Tel. 05531 702-111 | Fax 05531 702-95890 | kundendienst@stiebel-eltron.de
Tel. 05531 702-120 | Fax 05531 702-95335 | ersatzteile@stiebel-eltron.de

Australia

STIEBEL ELTRON Australia Pty. Ltd.
294 Salmon Street | Port Melbourne
VIC 3207
Tel. 03 9645-1833 | Fax 03 9644-5091
info@stiebel-eltron.com.au
www.stiebel-eltron.com.au

Austria

STIEBEL ELTRON Ges.m.b.H.
Gewerbegebiet Neubau-Nord
Margaritenstraße 4 A | 4063 Hörsching
Tel. 07221 74600-0 | Fax 07221 74600-42
info@stiebel-eltron.at
www.stiebel-eltron.at

Belgium

STIEBEL ELTRON bvba/sprl
't Hofveld 6 - D1 | 1702 Groot-Bijgaarden
Tel. 02 42322-22 | Fax 02 42322-12
info@stiebel-eltron.be
www.stiebel-eltron.be

China

STIEBEL ELTRON (Tianjin) Electric
Appliance Co., Ltd.
Plant C3, XEDA International Industry City
Xiqing Economic Development Area
300085 Tianjin
Tel. 022 8396 2077 | Fax 022 8396 2075
info@stiebeleltron.cn
www.stiebeleltron.cn

Czech Republic

STIEBEL ELTRON spol. s r.o.
Dopraváků 749/3 | 184 00 Praha 8
Tel. 251116-111 | Fax 235512-122
info@stiebel-eltron.cz
www.stiebel-eltron.cz

Finland

STIEBEL ELTRON OY
Kapinakuja 1 | 04600 Mäntsälä
Tel. 020 720-9988
info@stiebel-eltron.fi
www.stiebel-eltron.fi

France

STIEBEL ELTRON SAS
7-9, rue des Selliers
B.P 85107 | 57073 Metz-Cédex 3
Tel. 0387 7438-88 | Fax 0387 7468-26
info@stiebel-eltron.fr
www.stiebel-eltron.fr

Hungary

STIEBEL ELTRON Kft.
Gyár u. 2 | 2040 Budaörs
Tel. 01 250-6055 | Fax 01 368-8097
info@stiebel-eltron.hu
www.stiebel-eltron.hu

Japan

NIHON STIEBEL Co. Ltd.
Kowa Kawasaki Nishiguchi Building 8F
66-2 Horikawa-Cho
Saiwai-Ku | 212-0013 Kawasaki
Tel. 044 540-3200 | Fax 044 540-3210
info@nihonstiebel.co.jp
www.nihonstiebel.co.jp

Netherlands

STIEBEL ELTRON Nederland B.V.
Daviottenweg 36 |
5222 BH 's-Hertogenbosch
Tel. 073 623-0000 | Fax 073 623-1141
info@stiebel-eltron.nl
www.stiebel-eltron.nl

Poland

STIEBEL ELTRON Polska Sp. z O.O.
ul. Działkowa 2 | 02-234 Warszawa
Tel. 022 60920-30 | Fax 022 60920-29
biuro@stiebel-eltron.pl
www.stiebel-eltron.pl

Russia

STIEBEL ELTRON LLC RUSSIA
Urzhumskaya street 4,
building 2 | 129343 Moscow
Tel. 0495 7753889 | Fax 0495 7753887
info@stiebel-eltron.ru
www.stiebel-eltron.ru

Slovakia

STIEBEL ELTRON Slovakia, s.r.o.
Hlavná 1 | 058 01 Poprad
Tel. 052 7127-125 | Fax 052 7127-148
info@stiebel-eltron.sk
www.stiebel-eltron.sk

Switzerland

STIEBEL ELTRON AG
Industrie West
Gass 8 | 5242 Lupfig
Tel. 056 4640-500 | Fax 056 4640-501
info@stiebel-eltron.ch
www.stiebel-eltron.ch

Thailand

STIEBEL ELTRON Asia Ltd.
469 Moo 2 Tambol Klong-jik
Amphur Bangpa-In | 13160 Ayutthaya
Tel. 035 220088 | Fax 035 221188
info@stiebeleltronasia.com
www.stiebeleltronasia.com

United Kingdom and Ireland

STIEBEL ELTRON UK Ltd.
Unit 12 Stadium Court
Stadium Road | CH62 3RP Bromborough
Tel. 0151 346-2300 | Fax 0151 334-2913
info@stiebel-eltron.co.uk
www.stiebel-eltron.co.uk

United States of America

STIEBEL ELTRON, Inc.
17 West Street | 01088 West Hatfield MA
Tel. 0413 247-3380 | Fax 0413 247-3369
info@stiebel-eltron-usa.com
www.stiebel-eltron-usa.com



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STIEBEL ELTRON

A 348548-43039-9631
B 348547-43039-9631