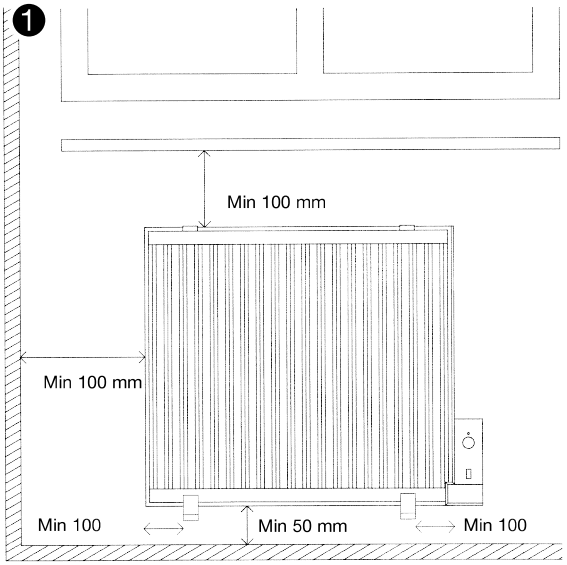
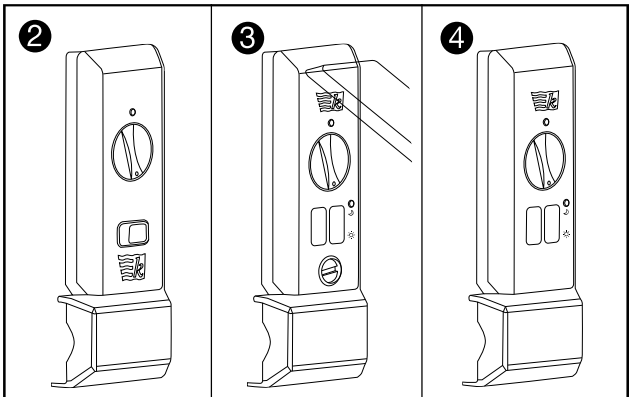
Bruksanvisning • Bruksanvisning • Instrukcja użytkowania • Käyttöohje
Instructions for Use • Gebrauchsanleitung • Mode d'emploi

❶

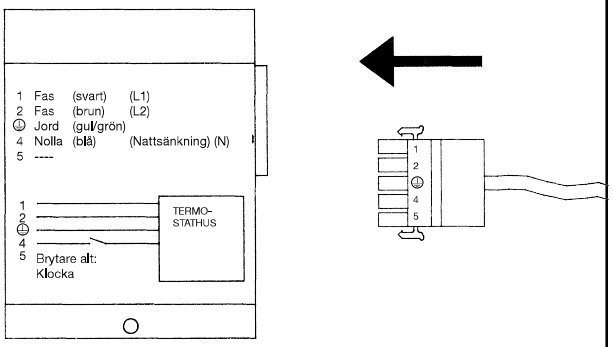


❷ ❸ ❹



Alt. 1 (400V)

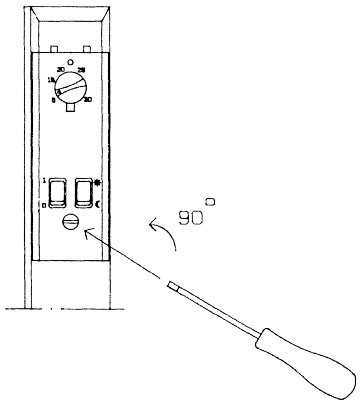
Art. no. 1450.100 - 1457.100
1470.100 - 1477.100



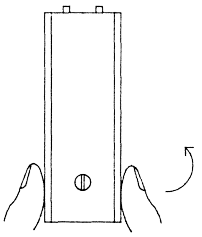
Alt. 2 (400V)

Art. no. 1490.100 - 1497.100
1570.100 - 1577.100
1590.100 - 1597.100

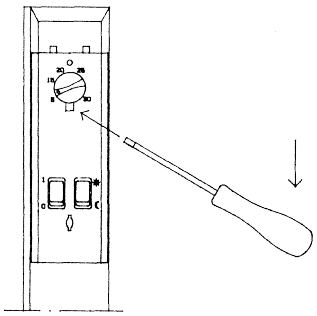
❺ ex.1



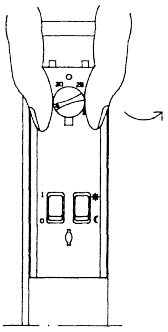
ex. 2



ex. 3



ex. 4



L1	=	Ⓢ	Svart	Ⓝ	Svart	Ⓟ	Czarny	Ⓕ	Musta	Ⓖ	Black	Ⓓ	Schwarz	Ⓕ	Noir
L2	=	Ⓢ	Brun	Ⓝ	Brun	Ⓟ	Brązowy	Ⓕ	Ruskea	Ⓖ	Brown	Ⓓ	Braun	Ⓕ	Brun
⏚	=	Ⓢ	Gul/Grön	Ⓝ	Gul/Grønn	Ⓟ	Żółty/Zielony	Ⓕ	Keltainen/Vihreä	Ⓖ	Yellow/Green	Ⓓ	Gelb/Grün	Ⓕ	Jaune/Vert
N	=	Ⓢ	Blå	Ⓝ	Blå	Ⓟ	Niebieski	Ⓕ	Sininen	Ⓖ	Blue	Ⓓ	Blau	Ⓕ	Bleu

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Models with electronic thermostat 230V.
Lead with earthed plug. * (night economy)

* 1460.100 - 1467.100	(Fig. 5)	Radiators for wall mounting
1480.100 - 1487.100	(Fig. 4)	or stand-alone installation,
1560.100 - 1567.100	(Fig. 4)	supplied with wall mounting frame
1580.100 - 1587.100	(Fig. 4)	floor attachment, electric lead and plug,
1315.100 -	(Fig. 4)	Enclosure group IP 21.
1440.100 - 1447.100	(Fig. 3)	

Models with electronic thermostat 400V.
Permanent installation. * (night economy)

* 1470.100 - 1477.100	(Fig. 5, alt. 1)	Radiator for wall mounting,
1490.100 - 1497.100	(Fig. 4, alt. 2)	supplied with wall mounting frame,
1570.100 - 1577.100	(Fig. 4, alt. 2)	junction box (Alt. 1),
1590.100 - 1597.100	(Fig. 4, alt. 2)	or electric cable (Alt. 2).
1450.100 - 1457.100	(Fig. 3, alt. 1)	Enclosure group IP 21.

Models with bimetallic thermostat 230V.
Lead with earthed plug.

1380.000 - 1387.000	(Fig. 2)	Radiator for stand-alone installation
1317.000	(Fig. 2)	Comes with floor bracket and cable
1383.100	(Fig. 2)	with plug. Degree of protection IP 21.

Item	Symbol	Value								
		Heat Output (Watt)								
Nominal Heat Output	P nom	350	400	500	600	700	800	1000	1250	W
Minimum Heat Output	P min	335	380	475	570	665	760	950	1190	W
Maximum continuous heat	P max,c	365	420	525	630	735	840	1050	1310	W
		Auxiliary electricity consumption								
At nominal heat output	elmax	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	W
At minimum heat output	elmin	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	W
Standby (no stdby = main switch)	elsb	0	0	0	0	0	0	0	0	W
Weekly electronic room control	YES									
Open window	YES									
Adaptative start control	YES									

Installation

1. Permanent fitting.

The wall frames supplied should be mounted using the screws provided. They should be about 100 - 150 mm in from each end of the radiator. It is important that the radiator be mounted horizontally and that the minimum dimensions shown in Figs. 1 are adhered to. The radiator should not be installed directly beneath a power outlet or in such a way that anyone using the baths, showers or pools could come into contact with live equipment such as a switch.

1.1 Stand-alone installation.

Radiators with floor attachments may also be used free-standing. The feet supplied should be attached by pressing them firmly onto the radiator as in Fig 1.

1.2 Connections.

When the radiator is supplied with a junction box (Alt. 1), connecting cable (Alt. 2), it should be connected by an **authorised electrician and all-pole switch should be installed.** The junction box can conveniently be placed over an existing mounting or conduit behind the radiator. For details of attaching the radiator see alt. 1 and 2, depending on which model is being installed.
Important! The radiator must be connected to an earthed outlet of the appropriate voltage. In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as timer, or connected to a circuit that is regularly switched on and off by the utility.

Use

2. Setting temperature.

The radiator is switched on by setting the switch marked I and O in position I. The desired temperature is set by turning the thermostat clockwise to increase and anti-clockwise to decrease the setting.
The diode on the **electronic thermostat** only shows when the radiator is in operation. Radiators with a bimetallic thermostat have no diode. When the desired temperature is set it is maintained automatically. Thermostat temperature regulation range: 5–35°C.

2.1 Calibrating the thermostat knob.

Calibrate the thermostat knob as follows.
(applies to models 1460.100 - 1467.100 and 1470.100 - 1477.100)
1. Remove the cover by turning the screw on the cover 90° anti-clockwise (fig. 5 ex. 1).
2. Lift off the cover (fig. 5 ex. 2).
3. Release the thermostat knob by inserting a screwdriver into the slot under the knob (fig. 5 ex. 3).
4. Lift off the knob (fig. 5 ex. 4).
5. Refit the knob so that it indicates the same temperature as a thermometer placed in the room. Refit the cover.

2.2 Night setback.

All models except for bimetal thermostats are supplied with night setback. Putting the “Sun - Moon” switch in “Moon” mode will reduce the temperature by 3.5 degrees.

2.3 Overheating.

The radiator is prevented from overheating by a relay that switches off the mains power when the radiator becomes too hot. It is reset by switching off the radiator for about 15 minutes, or by pressing the brown/red switch behind the thermostat (applies to models 1460.100 - 1467.100 and 1471.000 - 1477.100).

2.4 Maintenance.

For cleaning ensure that only non-abrasive cleaners are used.

Precautions

3. Remember:

- In order to avoid overheating, do not cover the heater.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- CAUTION. Some parts of this product may be very hot and cause burns. Particular attention must be where children and vulnerable people are present.
- This radiator is filled with the correct amount of special oil, so repairs that involve the radiator being opened may only be carried out by the manufacturer.
- Any leaks must be rectified by the manufacturer.
- **The radiator must be installed with the thermostat at the bottom edge, i.e. where the connecting cable comes out otherwise there is a risk of overheating/fire.**
- **If the mains lead is damaged, return the radiator to the place of purchase.**

4. If you have problems...

- Ensure that the radiator is properly connected.
- Check the fuse.
- Check the overheating protection circuit described in section 2.3.
- If the radiator still fails to work, contact the manufacturer or supplier.
- Because the radiator contains oil, it must be disposed of at a recycling centre.

Guarantee

The current guarantee period is for 2 years. If you have any problems or need repairs please contact the manufacturer or supplier.
Important! To simplify procedure always keep a copy of the receipt of purchase.

Two years' guarantee

is provided on this product by GNOSJÖ KLIMATPRODUKTER AB from the date it is supplied to the purchaser. This guarantee covers faults arising from manufacture. It does not include careless handling or breakdowns from connecting to the wrong supply voltage.

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Box 162
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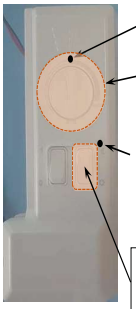
Sweden

1. Description

From 1 January 2018, pursuant to the Ecodesign Regulations of the European Union it must be possible to set a weekly schedule for heating controllers.



Three colours: red, green and orange.

Temperature setting with Auto position

Green indicator	Manual mode	●	Solid green - reduced temperature
		○	Off, comfort temperature
Operating mode	Auto mode	○ ● ● ● ● ●	Flashes 5 times, followed by a pause every 6 seconds: reduced temperature.
		● ○ ○ ○ ○ ○	Flashes green once every 6 seconds: comfort temperature

Mode selector switch
☀Comfort
☾ Reduced

2. Manual mode

Select the desired temperature using the temperature control dial and the switch in ☀ mode.

If the switch is set to ☾ mode, the desired temperature is reduced by 3.5 °C.

3. Auto mode

3.1 User interface

To create a schedule, use the temperature control dial's Auto mode and the ☀Comfort/☾Reduced modes of the operating mode switch.

When the temperature control is set to Auto, the indicator starts flashing orange.

When the flashing stops, the control is in Auto mode.

The configured schedule is now in use. Short green flashing indicates ☀Comfort mode and solid green with short flashing indicates ☾ Reduced mode, displayed for one minute after the selected mode has been activated.

To prevent loss of schedules in the event of a brief power failure, there is built-in backup which can handle a power failure of approx. 12 hours. In case of longer power failure, a lost schedule is indicated by brief blinking red light every 6 seconds. The latest temperature setting is used.

3.2 Creating an event

A new event is created each time users change the mode of the operating mode switch (see below).

Note that in Auto mode, the mode of the operating switch does not match the current operating mode. Only the operating mode display shows the current operating mode.

The user can create up to 100 schedules steps per week. Each step (☾Reduced or ☀Comfort) with duration of less than 15 minutes is deleted automatically in order to avoid far too short cycles. E.g.:

Case 1: Creating a comfort step

Operating mode switch: ☀Comfort mode

Current operating mode: ☾Reduced temperature (operating mode indicator flashing green every 6 seconds)

New desired operating mode: ☀Comfort

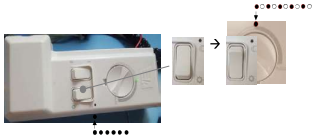
Switch twice: ☀Comfort → ☾Reduced → ☀Comfort

Case 2: Creating a ☀comfort step

Operating mode switch: ☾Reduced mode

Current operating mode: ☾Reduced temperature (operating mode indicator flashing green every 6 seconds)

New desired operating mode: ☀Comfort



Switch once: ☾Reduced → ☀Comfort

3.3 Changing the desired temperature in ☀Comfort and ☾Reduced mode

The desired temperature in ☀Comfort and ☾Reduced mode can be adjusted in Auto mode.
The temperature on the temperature control dial in ☀Comfort 19°C and ☾Reduced 15.5°C at 12.00 is preset.

In order to adjust the temperature, move the temperature setting to the desired temperature. The two-colour indicator starts blinking according to the switch mode (flashing green to show reduced temperature) and flashing red for comfort temperature. To save the selected temperature, wait 3 seconds until the flashing stops. Set the temperature control to Auto to save the setting. If the dial is left at the set temperature, the control system uses the selected temperature according to the dial value and the ☀Comfort/☾Reduced button setting.

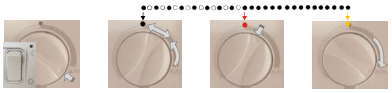
Comfort temperature adjustment:

Auto mode active and operating mode switch in ☀ Comfort mode

Set the desired temperature, the indicator starts flashing fast

Wait 3 seconds, solid light indicator

Return to Auto to confirm. Flashing orange



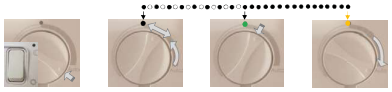
Adjustment of ☾ Reduced temperature

Auto mode active and operating mode switch in ☾Reduced mode

Set the desired temperature, the indicator starts flashing fast

Wait 3 seconds, solid light indication

Return to Auto to confirm. Flashing orange



4. Schedule reset

The operating mode switch switches between ☀Comfort and ☾Reduced mode 5 times. Orange indicator flashing as confirmation.

X 5 ->

5. Open window detection

The indicator is yellow when an open window is detected (the temperature has dropped by more than 2 degrees in less than 10 minutes). The desired temperature is set to 7 degrees.
To stop Open window mode, one of the following conditions must be met:

- The temperature increases by 0.5 degrees
- The temperature setting is changed
- The mode of the operating mode switch is changed

Creating a weekly schedule

A schedule is a sequence of events created by users within one week. The schedule is repeated every week and can be modified at any time. E.g.: