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ADAX

ADAX NEO BASIC s5.1 Panel Heater

Product Specifications

- Model: NEO BASIC s5.1
- Power Supply: 230V, 50Hz, IP20
- Art. no.: 62235

Product Usage Instructions

Digital (DT) Thermostat User Manual

The thermostat display provides various settings and functions:

- **Setting Menu:** Press and hold OK button for 3 seconds to access the selection menu. Use the buttons to scroll through options and OK button to confirm.
- **Options:** Description of function includes setting the time of the heater, adjustment of weekly heating program, comfort temperature adjustment, setting lower temperature, window open detection, temperature calibration, adaptive start, and reset to factory settings.
- **Program Menu:** Allows access to the weekly heating program settings including P1, P2, P3, OFF, and NP options.
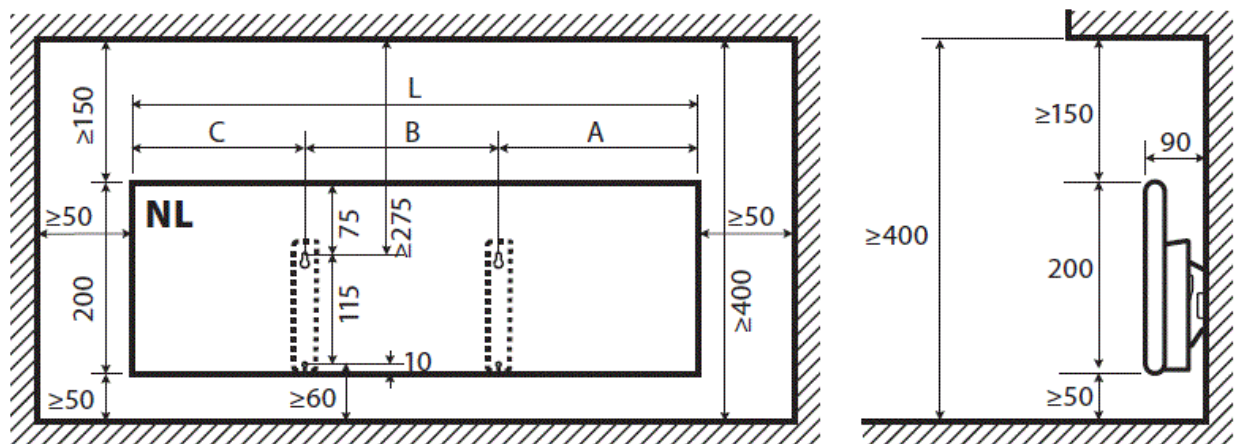
Ecodesign Information

Find detailed ecodesign information on pages 19-25 of the user manual.

Installation Manual

Refer to page 3 of the user manual for detailed installation instructions.
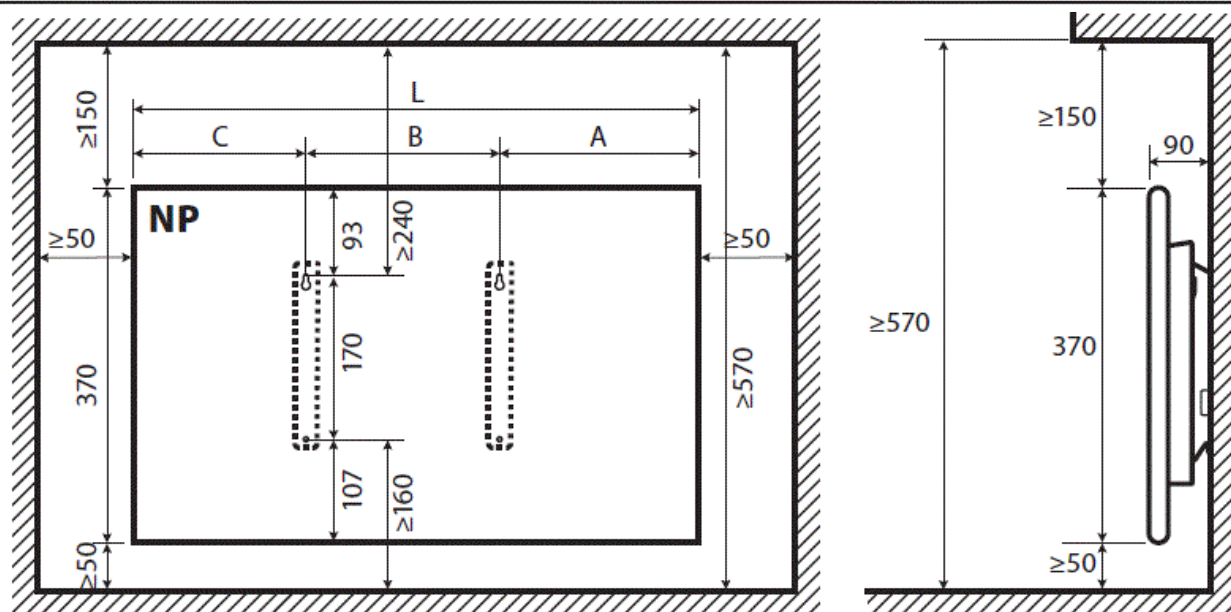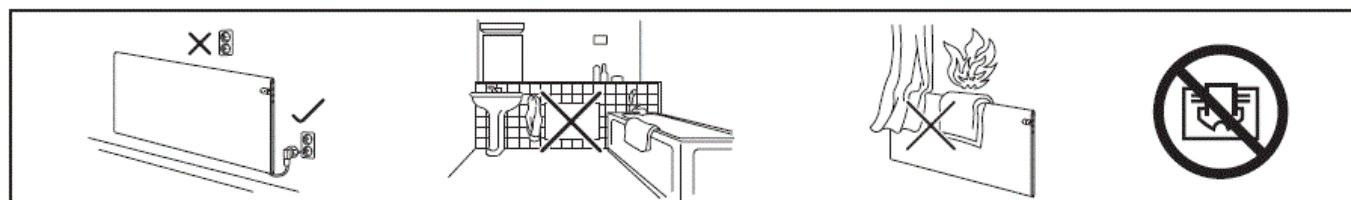
NP	A	B	C	L
NP 04	148	202	123	474
NP 06	203	202	184	589
NP 08	212	302	190	704
NP 10	241	302	219	762
NP 12	174	605	155	934
NP 14	230	605	214	1042
NP 20	405	605	384	1394

NL	A	B	C	L
NL 04	139	300	211	650
NL 06	320	300	250	870
NL 08	264	600	186	1050
NL 10	379	600	301	1280
NL 12	440	600	412	1450
NL 15	263	1200	287	1750
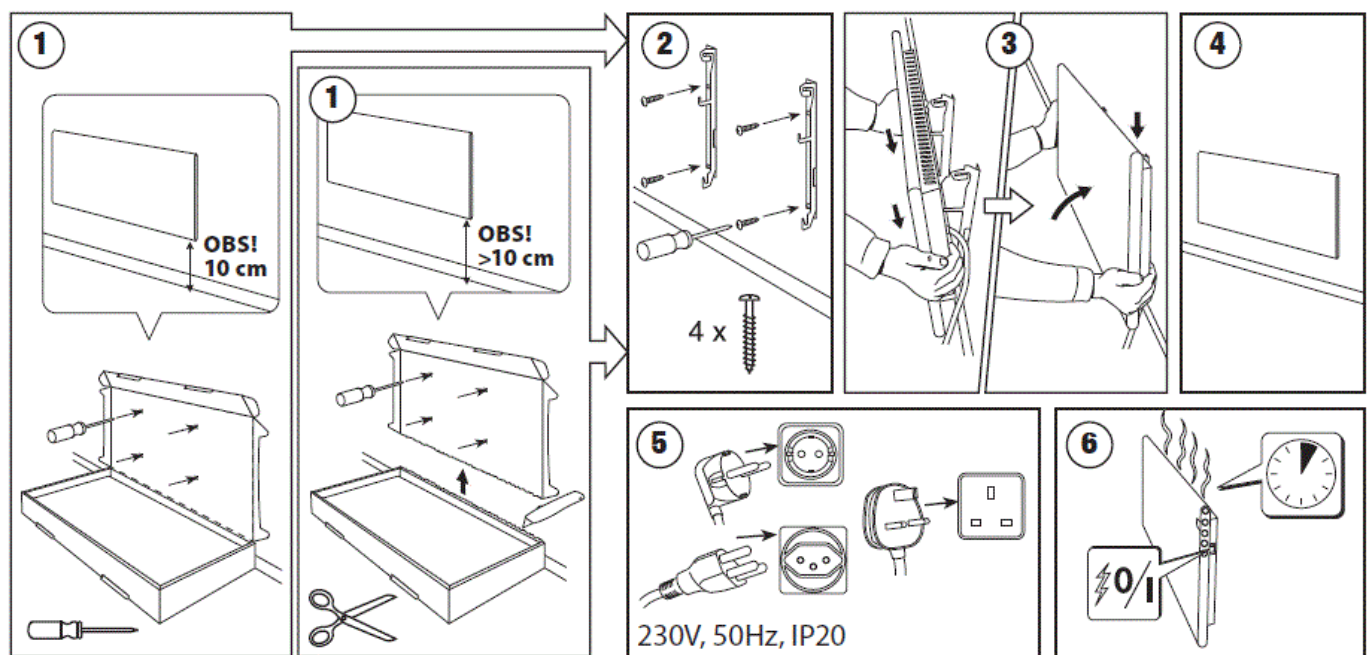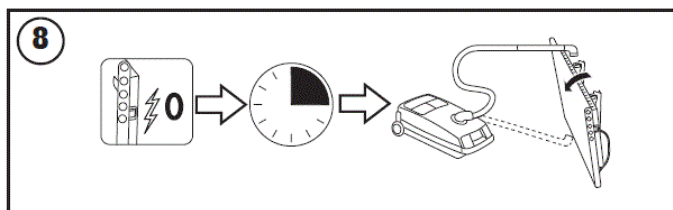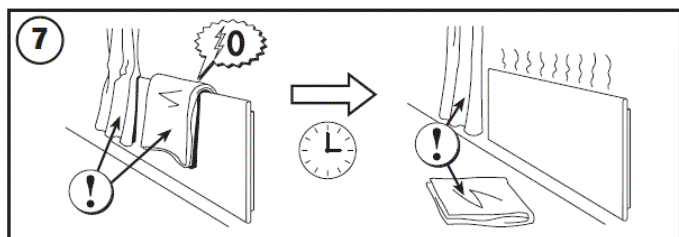
Fixed Installation Guide

For fixed installations, refer to page 4 of the user manual for step-by-step guidance.
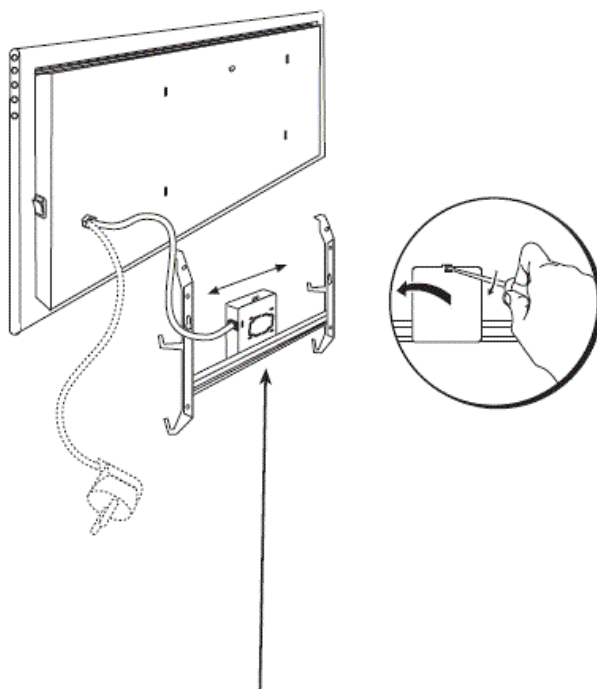
230 V

400 V

- PE =Yellow/Green
- 1 = Brown
- 2 =Blue

Electric installation must be carried out by an authorised electrician.
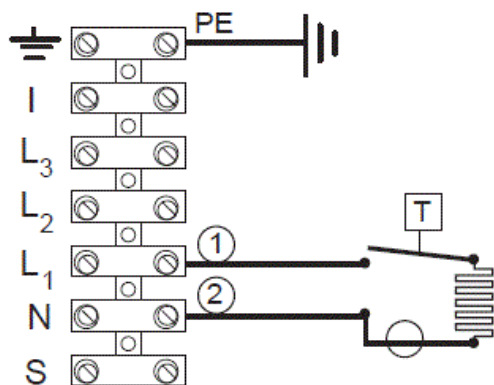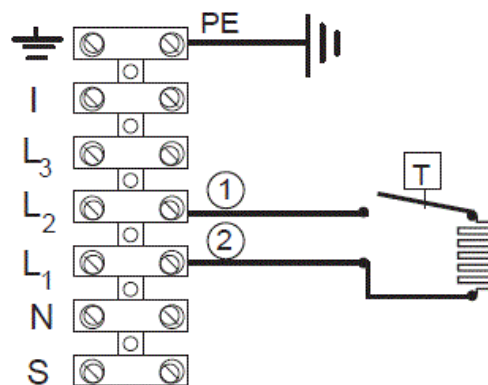
GENERAL OVERVIEW

GENERAL OVERVIEW OF THE THERMOSTAT DISPLAY LIGHT INDICATORS:

1. Display showing temperature and control parameters.
2. The red light is on when the heater is opera ng.
3. Green light showing a reduced temperature. It is on when the heater is opera ng in accordance with the chosen program, maintaining the reduced temperature. (See Additional functions).
4. Green light indicator showing the "comfort" temperature. It is on when the heater is opera ng in accordance with the chosen program, maintaining the "comfort" temperature. (See Additional functions).

FUNCTIONS OF THE BUTTONS:

- $\oplus$ Increases temperature, me or other parameter.
- $\ominus$ Decreases temperature, me or other parameter.
- $\lessdot$ Select on button meaning "less".
- $\gtrdot$ – Select on button meaning "more".
- (OK) OK – Confirmation of selection.
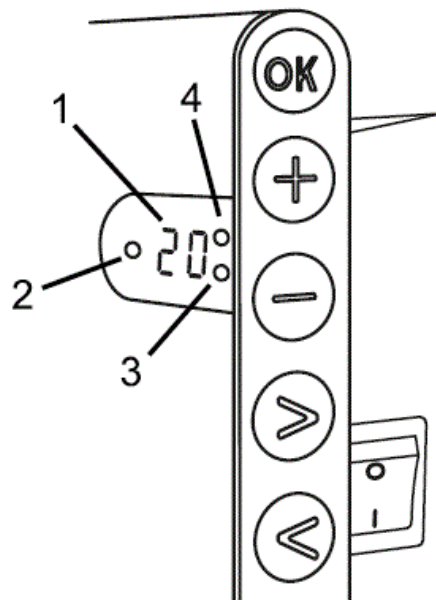
HOW TO OPERATE

The appliance is switched on or off by pressing the button ⏻ on the right side of the heater. When the heater is switched on for the first me, it begins opera ng at the default "comfort" temperature of 22°C; meanwhile, the blinking screen will show that a clock me has not yet been set (See Setting menu). The heater will maintain the temperature displayed on the screen if the user does not select the desired program from the Program menu. You can create your own weekly heating program (P1) or you can use the existing standard programs "Office" (P2) or "Home" (P3). The weekly programs determine when it will maintain the comfort temperature (22°C) and when it will maintain the reduced temperature, which saves energy (17°C).

SETTING MENU

By pressing and holding ⓞⓚ button for 3 seconds, the selection menu can be turned on or off. Use the buttons to scroll through the list and use the ⓞⓚ button to select the necessary setting or confirm your selection:

		Set the day of the week by pressing ⊕ ⊖ : 1 – Monday; 2 – Tuesday, etc., and save by pressing ⓞⓚ. Set the hour: 0-23 and save by pressing ⓞⓚ. Set the minutes: 0-59 and save by pressing ⓞⓚ. **You will not be able to adjust other settings until you set the time and day of the week.**
Pr		**Adjustment of weekly heating program**
		P1 will notify you that you are going to adjust the user program. Confirm this by pressing ⓞⓚ. Select which day(s) you are going to adjust by using the ⧀ and ⧁ buttons: 7d – 7 days, 5d – 5 business days, 2d – weekend, d1 – Monday, d2 – Tuesday, d3 – Wednesday, d4 – Thursday, d5 – Friday, d6 – Saturday, d7 – Sunday, and confirm your selection by pressing ⓞⓚ. Use the ⧀ and ⧁ buttons to change the hours from 00 to 23 and select the desired temperature for every hour: ⊖ a decreased temperature (green light above ⧀ is on), ⊕ a "comfort" temperature (green light above ⧁ is on). After pressing ⓞⓚ, you will return to the selection list of the desired day for further programming or quit the setting menu by pressing ⓞⓚ for 3 seconds. If you wish to initiate a weekly program, see chapter "Program menu". The last value used on the screen will be attributed to the "comfort" temperature before the start of the programming.
Co		**Adjustment of "comfort" temperature**
		Select the desired comfort temperature by pressing ⊕ and ⊖ . By pressing ⓞⓚ, you will enter the setting menu.
rd		**Setting a lower temperature**
		Select the desired "reduced" temperature by pressing ⊕ and ⊖ . By pressing ⓞⓚ, you will enter the setting menu.
OP		**Function detecting an open window**

		Select "On" or "oF" by pressing ⊕ or ⊖. This function is turned off by default. The function of an open window detects if a window is open (i.e., it detects a rapid change in temperature in a short period of time). After the heater detects an open window, the heating is automatically turned off and changed to anti-freezing mode by maintaining a temperature of 7°C and „AF" is displayed. After the window is closed, i.e., when the temperature in the area increases, the heater automatically turns the previous program on or maintains a permanent constant temperature.
C	**Calibration of the temperature**	
		The ambient temperature is displayed on the screen. If it does not correspond to the thermometer readings, then it may be calibrated. For example, the heater shows that the ambient temperature is 20°C; meanwhile, the other thermometer shows that it is 22°C. Then you can calibrate it and set the temperature which you have measured using the other thermometer.
AS	**Adaptive start**	
		Turn on ("On") or off ("oF") the adaptive start by using the ⊕ and ⊖ buttons. This function reaches the temperature set by the user at a specific time. For example, if you want the temperature at 9 o'clock to be 22°C, the heater will determine when it has to start heating so that it reaches 22°C at the desired time.
rE	**Reset the heater to factory default settings**	
		Press ⊙K and after the screen turns off, press and hold ⊙K again until you see "00" on the screen after every shown segment.

PROGRAM MENU

Pushing the ⊙> button, you will enter the selection menu of the weekly heating program .Use ⊙< ⊙> buttons to scroll through the following list:

Option	Function
P1	The user's weekly program will be turned on, which can be adjusted according to the user's needs.
P2	"Office" program will be turned on, providing a comfortable temperature during business hours.
P3	"Home" program will be turned on, providing a comfortable temperature in the morning, in the evening and during weekends throughout the day.
OF	Sleep mode will be turned on, during which the heating is not operating but the clock settings are maintained.
nP	The weekly heating program will be turned off and the heater will operate in accordance with the values shown on the screen.

The desired program can be selected by pressing ⊙K

Times of the "comfort" temperature in the weekly heating program:

Day	Times of "comfort" temperature		
	P1	P2	P3
Monday	00-23	07-17	06-08, 15-23
Tuesday	00-23	07-17	06-08, 15-23
Wednesday	00-23	07-17	06-08, 15-23
Thursday	00-23	07-17	06-08, 15-23
Friday	00-23	07-17	06-08, 15-23
Saturday	00-23		07-23
Sunday	00-23		07-23

ADDITIONAL FUNCTIONS

- **Permanent adjustment of temperature in the weekly program**
  If you adjust the existing temperature shown on the screen by using the + and – buttons and press OK when the comfort or reduced temperature light is on, the opera ng program will automatically override the temperature of the relevant mode.

- **Temporary adjustment of temperature in the weekly program**
  If you adjust the existing temperature shown on the screen by using the + and – buttons, but do not press the button when the comfort or reduced temperature light is on, the newly set temperature will be valid only until the next change of the heating temperature according to the set program. During the temporary adjustment (decreased temperature) or of the weekly temperature, a light indicator will blink above the < < (increased temperature) buttons.

- **Security against unauthorised use by children or other persons**
  The thermostat may be secured against unauthorised use by children or other persons. This function can be turned on/off by pressing and holding the   buttons at the same me for 5 seconds un l you see "cc" on the screen.

- **Dimming the lighting (automatic reduction of screen brightness)**

  If the heater is in idle mode for 15 seconds, the screen's brightness will be reduced. If you press any button on the display of the thermostat, the brightness will return.

- **24-hour protection in case of power outage**

  The heater will maintain the opera on of the internal clock for up to 24 hours in case of power outage.

  If the power outage lasts for more than 24 hours, the thermostat will revert to the last used temperature. The screen will blink, indicating a power outage. The blinking function will continue until you press any button.

Great Britain

Model identifier (s) Neo Basic

Heat output										
P_{nom} = Nominal heat output										
P_{min} = Minimum heat output (indicative)										
$P_{max,c}$ = Maximum continuous heat output										
							NP 20			
P_{nom} kW (x,x)		0,4	0,6	0,8	1,0	1,2	1,4	2,0		
P_{min} kW (x,x)		0,4	0,6	0,8	1,0	1,2	1,4	2,0		
$P_{max,c}$ kW (x,x)		0,4	0,6	0,8	1,0	1,2	1,4	2,0		

Auxiliary electricity consumption
el_{max} = At nominal heat output
el_{min} = At minimum heat output

el_{SB} = In standby mode										
							NP 20			
el_{max} kW (x,xxx)	0,0 01	0,0 01	0,0 01	0,0 01	0,0 01	0,0 01	0,0 01			
el_{min} kW (x,xxx)	0,0 01	0,0 01	0,0 01	0,0 01	0,0 01	0,0 01	0,0 01			
el_{SB} kW (x,xxx)	0,0 01	0,0 01	0,0 01	0,0 01	0,0 01	0,0 01	0,0 01			

Type of heat output/room temperature control (select one)						
	yes	no	yes	no	yes	no
single stage heat output, no room temperature control						
two or more manual stages, no room temperature control						
with mechanical thermostat room temperature control						
with electronic room temperature control						
with electronic room temperature control plus day timer						
with electronic room temperature control plus week timer	X					

Other control options (multiple selections possible)			

	yes	no	yes	no	yes	no
room temperature control, with presence detection		X				
room temperature control, with open window detection	X					
with distance control option		X				
with adaptive start control	X					
with working time limitation		X				
with black bulb sensor		X				

Heat output

P_{nom} = Nominal heat output

P_{min} = Minimum heat output (indicative)

$P_{max,c}$ = Maximum continuous heat output

P_{nom} kW (x,x)	0,4	0,6	0,8	1,0	1,2	1,5			
P_{min} kW (x,x)	0,4	0,6	0,8	1,0	1,2	1,5			
$P_{max,c}$ kW (x,x)	0,4	0,6	0,8	1,0	1,2	1,5			

Auxiliary electricity consumption

el_{max} = At nominal heat output

el_{min} = At minimum heat output

el_{SB} = In standby mode											

el_{max} kW (x,xxx)	0,0 001	0,0 001	0,0 001	0,0 001	0,0 001	0,0 001					
el_{min} kW (x,xxx)	0,0 001	0,0 001	0,0 001	0,0 001	0,0 001	0,0 001					
el_{SB} kW (x,xxx)	0,0 001	0,0 001	0,0 001	0,0 001	0,0 001	0,0 001					

Type of heat output/room temperature control (select one)						
	yes	no	yes	no	yes	no
single stage heat output, no room temperature control						
two or more manual stages, no room temperature control						
with mechanical thermostat room temperature control						
with electronic room temperature control						
with electronic room temperature control plus day timer						
with electronic room temperature control plus week timer	X					

Other control options (multiple selections possible)						
	yes	no	yes	no	yes	no

room temperature control, with presence detection		X				
room temperature control, with open window detection	X					
with distance control option		X				
with adaptive start control	X					
with working time limitation		X				
with black bulb sensor		X				

Contact details: Name and address of the manufacturer or its authorised representative

- Adax AS, Myhresgate 1, 3060 Svelvik, Norway,
- tell +47 33 77 17 50
- info@adax.no

[yes/no]

DECLARATION OF CONFORMITY

ADAX AS

(Suppliers name)

- P.o. Box 38, 3061 SVELVIK, NORWAY

  (Address)
- declare under our sole responsibility that the product(s)
- Convector heater series Adax NEO Basic, NP and NL

(Name, type and model or series)

is/are in conformity with following Directives/Standards:
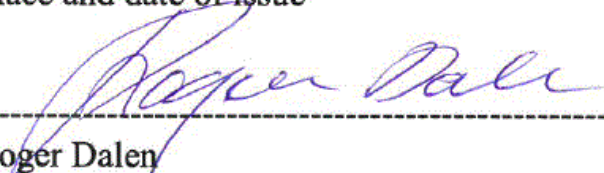
- LVD (2014/35/EU)
- EMF
- EMC (2014/30/EU)

- EN 60335-1
- EN 62233:2008
- EN 55014-2:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013

ECO design directive (2009/125/Ec)

- Class 1, IP20
- This declaration of conformity is issued under the responsibility of:

Svelvik, May 16, 2018
Place and date of issue

Roger Dalen
Managing Director
(Name and signature of authorized person)

Frequently Asked Questions

- **How do I adjust the comfort temperature?**
  - To adjust the comfort temperature, select the desired temperature by pressing the + and – buttons. Press OK to confirm the setting.
- **How can I reset the thermostat to factory default settings?**
  - To reset the thermostat, press OK and hold it until the screen turns off. Then continue holding OK until you see '00' on the screen after every shown segment.

Documents / Resources

ADAX NEO BASIC s5.1 Panel Heater [pdf] User Guide
s5.1, 62041, 62235, NEO BASIC s5.1 Panel Heater, NEO BASIC s5.1, Panel Heater, Heater

References

- [User Manual](#)

🏷 62041, 62235, ADAX, heater, NEO BASIC s5.1, NEO BASIC s5.1 Panel Heater, Panel Heater,
📁 ADAX   S5.1

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