



Digital Programmable Wall Mounted Thermostat 230V

Model: CRTDAP



Quick Guide

INTRODUCTION

CRTDAP is a stylish and accurate digital room thermostat that is fitted with a large easy to read LCD screen and one touch buttons. You can now simply adjust your home temperature as desired in order to create a comfortable home environment.

PRODUCT COMPLIANCE

This product complies with the essential requirements and other relevant provisions of Directives: EMC 2014/30/EU, LVD 2014/35/EU and RoHS 2011/65/EU.

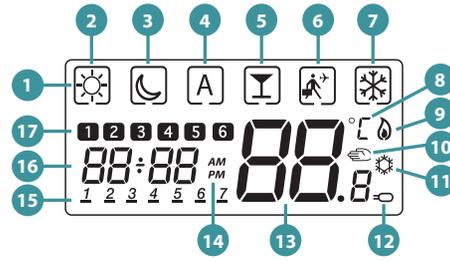
SAFETY INFORMATION

Use in accordance to national and EU regulations. Use the device as intended, keeping it in dry condition. Product for indoor use only. Installation must be carried out by a qualified person in accordance to national and EU regulations.

TERMINALS DESCRIPTION

TERMINAL	DESCRIPTION
CO	Changeover: 0V for heating or 230V for Cooling (input)
L	Live Input
⊖	0V normal temperature mode; 230V reduced temperature mode (output)
←	Switching Live (output)
N	Neutral Input
N	Neutral Input
S1	Floor sensor (optional)

LCD ICON DESCRIPTION



- | | |
|--|--------------------------------------|
| 1. BOX indicates which mode is active | 10. Manual Mode / Temporary Override |
| 2. Comfort temperature | 11. Cooling icon |
| 3. Reduced temperature | 12. Sensor icon |
| 4. Auto mode | 13. Current Temperature |
| 5. Party mode | 14. AM/PM |
| 6. Holiday mode | 15. Day of the week |
| 7. Frost protection mode | 16. Clock |
| 8. Temperature unit | 17. Program number |
| 9. Heating icon | |

BUTTON FUNCTIONS

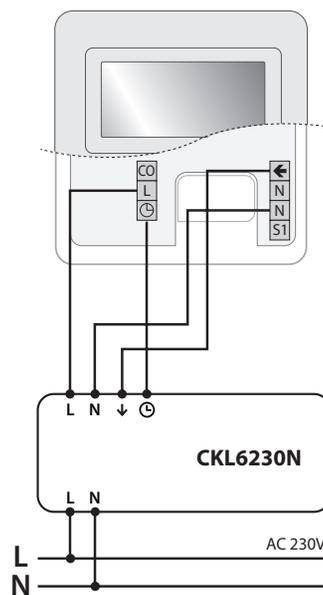
BUTTON	FUNCTION
	- Move left to new mode or new settings - Short press to return to previous screen - Long press to return home without saving
	Move right to new mode or new setting
	- OK key: Short press to confirm selection - Long press to save and return home - Long press to enter Temperature offset Heat / Cool
	- Increase or decrease Setpoint Temperature - Increase or decrease Day, Clock, timer (party / holiday)
	Press and hold the buttons simultaneously to enter installer mode

Note: LCD backlight is activated by pressing any key.

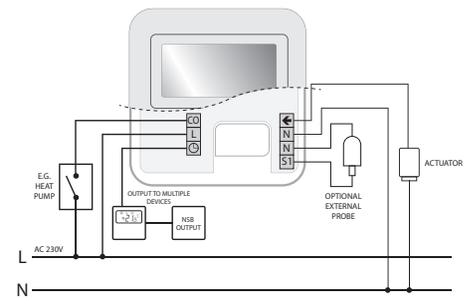
WIRING DIAGRAM

You can wire the thermostat directly to the **CKL6230N** wiring centre or to an actuator (purchased separately).

CKL6230N WIRING CENTRE



ACTUATOR



MOUNTING

- 1 Gently remove front housing.



- 2 Insert cables.



Without floor sensor.



With floor sensor.



February 2020
V002
www.cosmo-info.de
info@cosmo-info.de
22549 Hamburg
Brandstücken 31
COSMO GmbH



SETTING TIME AND DATE

1 Long press ✓.

2 Press < or > to access time settings.

3 Press ✓ to confirm.

4 Press < or > to choose 12/24 hr then press ✓ to confirm.

5 Set the hour by using < or >. Press ✓ to confirm.

6 Set the minutes by using < or >. Press ✓ to confirm.

7 Set the year by using < or >. Press ✓ to confirm. Repeat same process for the month and day settings. Press ✓ to exit to main screen.

PROGRAMMING

1 Long press ✓.

2 Press ✓ for programs settings.

3 There are 3 program types available: Working Week 5+2 (1-5 + 6, 7), All week the same (1-7) and Individual Days (1,2,3,4,5,6,7). Set your program type by using < or >. Press ✓ to confirm.

4 Set the hour by using < or >. Press ✓ to confirm. Repeat the same process for setting the minutes.

5 Select the desired temperature ☀ or ☾ by pressing < or >. Press ✓ to confirm.

6 Repeat the procedure for each of the 6 time sets available throughout the day.

INSTALLER SETTINGS

1 Press the indicated keys together for 3 seconds.

2 Select P49.

3 Press ✓ to confirm.

4 You have reached Installer Mode. Select setting by pressing < or >. Press ✓ to confirm.

Note: To restore the thermostat's factory settings, in step 2 set the PSuu to 47 code, and confirm the selection with the ✓ button.

DXX	FUNCTION	VALUE	DESCRIPTION	DEFAULT VALUE
d01	Control method temperature	0	PWM algorithm	
		1	Span ±0.5°C	0
		2	Span ±1.0°C	
d02	Offset temperature	from -3.0°C to +3.0°C	If the thermostat indicates wrong temperature, you can correct it by ± 3.0°C	0°C
d03	Using a floor temperature sensor (S1, S2)	0	No sensor	0
		1	Sensor is connected	
d04	External sensor used for air or floor temperature measurement (Function is active, when d03=1)	0	Thermostat measures the temperature only on the external sensor	0
		1	The sensor is used as a protection against overheating the floor	
d05	Cooling mode control method	1	Span ±0.5°C	2
		2	Span ±1.0°C	
d07	Valve protection	0	OFF	1
		1	ON	
d08	Frost protection temperature	5-17°C	Frost protection / Holiday mode temperature	5°C
d09	Clock format	0	12 hour	1
		1	24 hour	
d11	Daylight Saving Time	0	OFF	1
		1	ON	
d12	Heating temperature limit	5°C-35°C	The maximum heating temperature that can be set by the user	35°C
d13	Cooling temperature limit	5°C-40°C	The minimum cooling temperature that can be set by the user	5°C
d14	Maximum floor temperature (this function is active in heating mode when d04 = 1)	11°C-45°C	In order to protect the floor from overheating, heating will be turned OFF, when the maximum temp of the floor sensor will be reached	27°C
d15	Minimum floor temperature (this function is active in heating mode when d04 = 1)	6°C-40°C	In order to protect the floor, heating will be turned ON, when the minimum temp of the floor sensor will be reached	10°C
d16	Lower floor temperature limit for cooling (this function is active when d04 = 1)	6-45°C	In order to protect the floor, cooling will be turned OFF, when the minimum temp will be reached	6°C
d17	Choice of the default program	1-5	Selection 1 of the 5	1
d18	Operating mode HEATING / COOLING	0	Heating system	0
		1	Cooling system	
d19	Cooling Blocked	0	Cooling allowed	0
		1	Cooling disabled	
d20	Actuators loading selection	1-5	load 1 to 5 actuators	1