

## x-net wall mounting control LCD 230V



### Application

The x-net wall mounting control LCD 230V is a high-quality room temperature regulator for recording and regulating the desired room temperature



Directly connected actuators enable easy regulation of individual rooms. In conjunction with the x-net clamping rails (version 6R 230V or 6R PU 230V), perfectly coordinated overall systems can be realised.

It is operated and used to adjust the desired room temperature using the knob with the push-and-turn mechanism and soft lock.

The symbols are always shown clearly on the clear and language-neutral layout of the high-quality display.

### Characteristics / overview

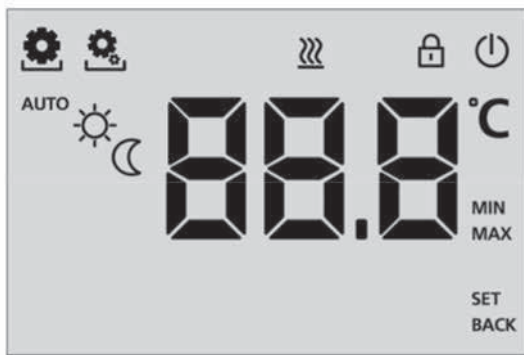
- Large, clear LC-display without backlight
- Flat design and small dimensions (86 mm x 86 mm x 31 mm)
- Correction of actual temperature display by  $\pm 2K$
- Freely programmable restriction of the adjustment range of the nominal temperature
- High level of operational reliability
- Power supply possible via x-net clamping rail or a separate voltage source




- Reduction input:  
Day/night/automatic operation modes can be selected  
External timer signal received for the time-controlled reduction of the room temperature by 2K, in automatic operation mode
- Integrated valve protection function:  
Forced activation of the switch output, every 14 days after the last activation, for 10 minutes
- Integrated frost protection function:  
Prevents cables from freezing during periods without temperature regulation, e.g. during longer-term absence

## Operation / display / navigation

A multi-level menu structure ensures that no adjustments are made accidentally to important settings. The setting options in the menus "Lifestyle functions" and "Settings" can be adjusted by the user. The controller has a clear and language-neutral display.

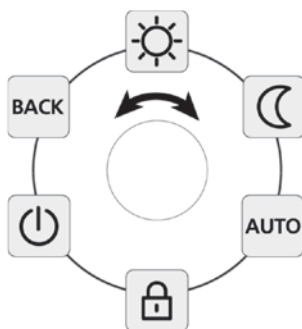
The high-quality display shows all symbols clearly. The internationally recognised symbols ensure intuitive operation.



	Lifestyle functions menu		Night mode
	Settings menu	<b>88.8</b>	Nominal/actual temperature
	Heating	<b>°C</b>	Temperature unit
	Operation lock	<b>MIN</b>	Minimum temperature
	Shutting down	<b>MAX</b>	Maximum temperature
<b>AUTO</b>	Automatic mode	<b>SET</b>	Confirm entry
	Day mode	<b>BACK</b>	Back

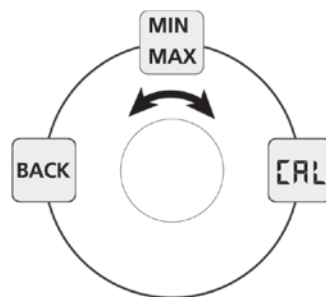
The knob is used to operate the extensive array of functions and to adjust the desired room temperature. This enables convenient navigation through the menu structure. By turning and pushing, functions can be selected and adjusted according to the requirements of the user.

## Lifestyle functions



- Day, night and automatic operation modes
- Operation lock to protect against accidental adjustments and maloperation
- Shutdown of the room temperature regulator and therefore the operation of the controller; the frost protection operation is activated automatically
- Back to base level

## Settings



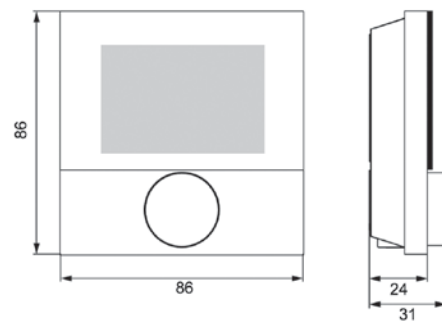
- Restriction of the lowest and highest adjustable room temperatures
- Correction of the temperature recording / indication

## Technical data

x-net wall mounting control LCD 230V	
Operating voltage	230V AC, 50Hz
Power supply	via x-net clamping rail / mains connection
Power consumption when idle	< 0.3W
Gate	Relay
Switching capacity	1A resistive load, 200VA inductive
Fuse	T1AH
Max. number of actuators that can be connected	5 (max. 3W per actuator)
Direction of control action of actuators that can be connected	NC
Adjustment range of nominal temperature specification	5 to 30°C
Resolution of nominal temperature specification	0.2°C
Measuring range actual temperature recording	0 to 40°C
Correction of actual temperature recording	±2°C
Measuring accuracy of actual temperature	±0.5K between 17 and 24°C
Control accuracy	±0.5K between 17 and 24°C
Reduction input	Yes
Reduction difference / reduction temperature	2°C
Frost protection temperature	5°C
Valve protection function	Every 14 days for 10 minutes
Permissible ambient temperature	0 to 50°C
Permissible storage temperature	-20 to +70°C
Permissible ambient humidity	80%, non condensing
Way of installation	On-wall mounting
Connecting cable	NYM-J 5 x 1.5 mm <sup>2</sup>
Connection terminals	4 screw terminals, 0.22 – 1.5 mm <sup>2</sup>
Degree of protection	II
Protection rating	IP20
Material	ABS housing Decorative Acryl Glas XT pane
Surface texture	eroded
Colour	Housing pure white (RAL 9010) Knob pure white (RAL 9010)
Weight	105g ±0.5g
Dimensions (W x H x D)	Housing: 86 mm x 86 mm x 31 mm Display: 58 mm x 34 mm Decorative pane: 86 mm x 56 mm x 2 mm

## Dimensions

### Controller



### Under part

