

Datasheet Electron KNX Room thermostat

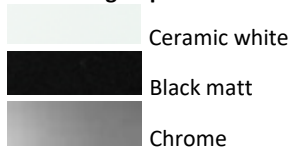
KNX Room thermostat 1 on / 1 off



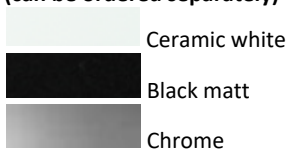
The built-in room thermostat is an EIB/KNX device for controlling temperature applications in home automation and building automation and can be installed in rectangular or round built-in housings with 2 or 3 modules. It is available in a range of coloured plastic housings, glass versions can be ordered separately - so the thermostat can be adapted to all environments. It has a large LCD display to show the current temperature setting, fan speed, summer / winter operation and the 4 operating states.

The module is equipped with a binary input (potential-free contact) that can be used for a window sensor or other devices and a binary output relay to control the speed of the fan or a zone valve. The thermostat can also be configured or used in combination with an ON/OFF output module to control the three fan speeds. The controls available to the user include two buttons to increase or decrease the fan speed or to stop the fan completely.

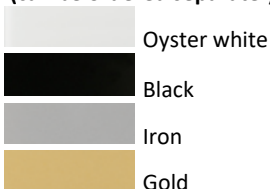
Colour palette Temperature Unit complete with Plexiglas pane



Colour palette for unit/glass frame (can be ordered separately)



Glass variants (can be ordered separately)



Technical data:	
Power supply	Via EIB/KNX bus, 21...30 V DC available from bus
Inputs	1 potential-free contact Input signal voltage $V_n = 12\text{ V}$ Input signal current at the NC contact = 1 mA
Outputs	1 Relay max. 24 V AC/DC, 1 A
Connections	
Bus line	EIB/KNX bus connecting terminal max. 0.8 mm ²
Output relay	Screw terminal strip Conductor cross-section max. 1.5 mm ²
Input signal (potential-free)	Screw terminal strip, conductor cross-section max. 1.5 mm ²
Display elements	
	1 LED red (rear) for programming ETS
	1 LCD display, 43 x 43.5 mm
Control elements	
	1 programming button (back)
	1 button for increasing the temperature setting and CO ₂ -content
	1 button for decreasing the temperature setting and CO ₂ content
	1 button for increasing the fan speed
	1 button to decrease the fan speed
Environmental conditions	
Operating temperatur	0°C to +50°C
Storage temperatur	-20°C to +55°C
Relative humidity	max. 90% (non-condensing)
Mounting/Dimensions	
Dimensions (W x H x D)	110 x 78 x 39,8 mm
Weight	Approx. 80g
Mounting	Installation in 2 or 3 modules or round wall-mounted housing The unit may only be installed in closed rooms and in dry locations in flush-mounting housings.

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