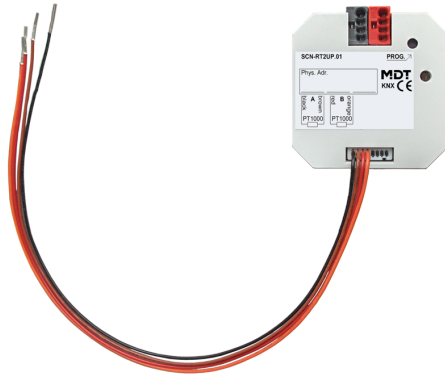


SCN-RT2UP.01

KNX Temperature Controller/Sensor 2-channel, flush mounted



Product description:

Up to two PT1000 temperature sensors can be connected to the flush-mounted temperature controller. The measured temperature values can be made available to other KNX bus participants or used in the internal temperature control. The control can optionally be carried out via a 2-point control, a switching PI control (PWM) or the continuous PI control. The temperature controller supports single- and dual-circuit systems.

Product functions:

- Selectable controller type (2-step, PI, PWM) or sensor operation
- **Temperature measurement over external PT1000 sensor**
- Temperature min/max memory, messages and Frost/heat protection alarm
- Cyclic sending, selectable
- Day-/night-/frost-/heat protection mode, cooling function
- Status via HVAC and RHCC objects
- Operation mode change via Bit/Byte object
- Setpoint adjustment via visualisation, e.g MDT VisuControl
- Installation in an installation box
- Dimensions (H x W x D): 41 x 41 x 12 mm
- 3 year warranty
- **Accessories**
- Temperature sensor PT1000 Standard, strap on installation or for ceiling installation

Technical data:

Device	Device type	SCN Temperature Controller
	Article Number	SCN-RT2UP.01
	EAN / GTIN	4251916111649
	Dimensions (H x W x D)	41 x 41 x 12 mm
	Weight, gross (incl. packaging)	0.036 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Installation position	any
	Weight, net	0.017 kg
Inputs	Measuring range for temperature	-20 ... +100 °C
Outputs	Number of integrated temperature controllers	2
	Room temperature control range	18 ... 25 °C
	Temperature range for messages	1 ... 100 °C
KNX	Nominal voltage KNX	30 V DC SELV
	Voltage range KNX	21 ... 31 V DC SELV
	Typical power consumption KNX bus	< 0,3 W
	KNX Medium	TP-256
	KNX Application	as of ETS 3
Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
Connections	Maximum cable length of the PT1000	12 m ^{*1}
	Connection type	Connection wire 0.25 mm ²
	Length of the connection cable	21 cm
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

^{*1} To avoid interference, the measuring lines are to be laid separately from the 230 V cables. The installation together with 230 V in a common box is not permitted.

Wiring diagram:

