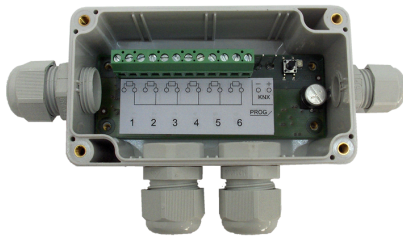


## SCN-RT6AP.01

### KNX Temperature Controller/Sensor 6-channel, surface mounted



#### Product description:

Up to six PT1000 temperature sensors can be connected to the surface-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:

- 6 channel temperature sensors for heating/ventilation, Integrated controller
- Selectable controller type (2-step, PI, PWM) or sensor operation
- **Temperature measurement over external PT1000 sensor**
- Temperature range -20 ... +100 °C
- 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
- Surface mounted casing including cable glands
- Integrated Bus coupler

## Technical data:

<b>Device</b>	Device type	SCN Temperature Controller
	Article Number	SCN-RT6AP.01
	EAN / GTIN	4251916111663
	Dimensions (H x W x D)	64 x 115 x 40 mm
	Weight, gross (incl. packaging)	0.277 kg
	Protection classification	IP20
	Installation type	Surface mounted
	Installation position	any
	Weight, net	0.231 kg
<b>Inputs</b>	Measuring range for temperature	-20 ... +100 °C
<b>Outputs</b>	Number of integrated temperature controllers	6
	Room temperature control range	18 ... 25 °C
	Temperature range for messages	1 ... 100 °C
<b>KNX</b>	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
<b>Environmental conditions</b>	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
<b>Connections</b>	Maximum cable length of the PT1000	12 m <sup>*1</sup>
	Connection type	Screw terminal with slotted head
	Conductor cross section 1 x	0,5 ... 2,5 mm <sup>2</sup>
	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:

