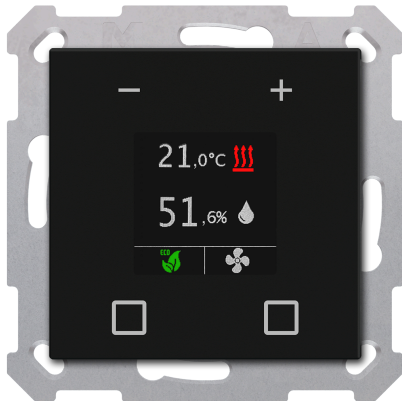


SCN-RTR55S06.01

KNX Room Temperature Controller Smart 55, Black matt



Product description:

The MDT Room Temperature Controller Smart 55 for temperature measurement and room temperature control. An active colour display with adjustment of the temperature setpoint by means of the plus/minus buttons. Two additional buttons are individually programmable. 4 binary inputs offer the possibility of connecting potential-free window contacts or buttons. The dew point is calculated by the integrated humidity sensor.

Product functions:

- Suitable for 55 mm switch ranges e.g. MDT assortment 55 or GIRA E2 or BERKER B3, B7 or JUNG A 550 or Merten M-Pure
- **Active colour display for function and status indication**
- **Selectable background colour and brightness of the display (white or black)**
- **Display of set- and actual temperature**
- Room Temperature Controller
- Measurement range -10 ... +50 °C
- **Selectable controller type (2-step, PI, PWM)**
- Easy setpoint adjustment over separate +/- Push-buttons
- 1 Bit +/-, 1 Byte or 2 Byte absolute object for setpoint adjustment
- Setpoint storage in the event of a bus power failure
- Temperature min/max memory, messages and Frost/heat protection alarm
- Operation mode change via Bit/Byte object
- **Temperature- and Humidity sensor with calculation of the condensation point**
- **Notification when leaving the comfort zone**
- **4 Binary inputs to connect potential free contacts (Mechanical Push-buttons, Switches, window contacts)**
- **Ventilation control with manual and automatic operation**
- 14 Byte object for plain text diagnosis
- Installation in an installation box using the included installation frame
- Recommended installation height: 1.60 m
- Integrated Bus coupler

Technical data:

Device	Device type	SCN Room Temperature Controller
	Article Number	SCN-RTR55S06.01
	EAN / GTIN	4251916112844
	Colour	Black, matt finish
	Display	Active colour display
	Dimensions (H x W x D)	55 x 55 x 26 mm
	Weight, gross (incl. packaging)	0.072 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Installation depth in switch box	12 mm
	Included carrying ring	Carrying ring A
	Recommended installation height	1.6 m
	Installation position	any
	Weight, net	0.047 kg
	Operation	Number of buttons
Inputs	Number of binary inputs	4
	Input voltage	3.3 V DC internal *1
	Length of the input lines	22 cm
	Permissible total cable length	10 m
	Measuring range for temperature	-10 ... +50 °C
	Measuring range for relative humidity	0 ... 95 %
	Manual setpoint adjustment	By means of Push-buttons
Outputs	Number of integrated temperature controllers	1
	Room temperature control range	7 ... 35 °C
	Temperature range for messages	3 ... 45 °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 with long frame support
	KNX Application	as of ETS 5 (latest)
Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Air humidity (permanent)	20 ... 80 %
	Air humidity (short-term)	0 ... 95 %
	Condensation permissible	No

Technical data:

Connections	Temperature sensor	Integrated
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

*1 Not galvanically isolated from the KNX bus, distance to 230 V cables are to be maintained in accordance with valid standards and regulations. The installation in an installation box in addition to a 230 V cable is not permitted.

Wiring diagram:

