

KNX Components for Building Automation

Catalogue





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Navigation

VISUALIZATION



HVAC



ACTUATORS



SPECIAL SENSORS S8



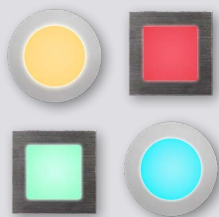
GATEWAYS



SMART METERING



LIGHTING



SYSTEM DEVICES



COMPONENTS / REPLACEMENT PARTS



IMPRINT

Visualization and Control in KNX Systems



Touch_IT 4.3" IPS Colour Display with Touchscreen

Touch_IT AC4



Micro USB

Micro SD slot

Low mounting depth

external
Temperature sensor



Aluminium housing
80,5 x 128 x 10,5 mm

Mounting horizontally or vertically
(mounting ring on Flush-mounted box 60/68mm)

Touch_IT AC4 IP65



Aluminium housing
80 x 130 x 28 mm

IP65

Touch_IT 4.3" Functional Overview

The 4.3" IPS color display with capacitive touchscreen is used for visualization and control in the KNX bus.

- Central control of various devices in the KNX System: lighting (switching, dimming, RGB color selector), blinds, heating, ventilation, multi-room audio systems, ...
- Acoustic and optic alarm functions
- Display of object states as plain text
- Datalogging and on display diagram facility
- Internal scenes with 32 action objects and programmable delays
- Logic functions can be implemented in scripting language
- Internal KNX Datalogger
- Each page and element can be protected by global or dedicated passwords
- Many languages
- Possibility for user defined layouts, icons, screensavers etc

Technical Data

- 4,3" IPS Display with 800 x 480 pixel s and 16M colors
- Capacitive touchscreen interface
- Linux operating system for easy system extension
- Micro SD-Card slot for memory extensions (SD card not incl.)
- USB-port for configuration and extension
- Internal temperature sensor with IR measurement
- Powersupply 24-32V with 2nd wire pair or via USB-port
- KNX bus load <=10mA

Programming

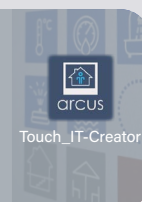
- Complete configuration via ETS5®
- Login via USB
- Different themes dark/bright
- >70 different functions for each GUI element
- Up to 6 pages with up to 8 GUI elements freely configurable
- 1..4 Objekts per GUI element
- Different timers with weekly timeclock or astronomic-clock
- Single elements or whole pages can be secured by PIN
- Internal Room Temperature Control with internal or external measurement
- Logical functions with Lua scripts and KNX library freely configurable

Mounting

- Attachment with support ring for 60 / 68 mm in-wall
- Theft protection by hidden Allen screw

With the free Arcus software Touch_IT-Creator you can create custom layouts, icons or screensavers for your Touch_IT.

More information on request.





Touch_IT AC4

Article	Article Description	List price	Article No.
Touch_IT-AC4	Aluminium sanded anodized	509,00 €	22414103
Touch_IT-AC4	Aluminium sanded black anodized	509,00 €	22414104



Touch_IT AC4 IP65

Article	Article Description	List price	Article No.
Touch_IT-AC4-IP65	Aluminium sanded anodized	565,00 €	22414065

Touch_IT 3.5" TFT Colour Display with Touchscreen

Touch_IT AC35



Housing (aluminium)
80 x 80 x 12 mm



12 mm depth

Integrated infrared temperature sensor

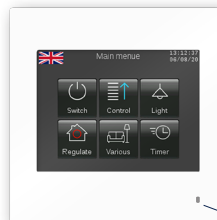
Mini USB connection

External micro SD slot

Touch_IT PC35



Housing (plastic)
95 x 95 x 14 mm



Integrated temperature sensor

Touch_IT 3.5" Functional Overview

The **3.5" TFT colour display** with touchscreen serves for visualization and control in KNX Systems.

- Switching and dimming of lighting
- RGB control with colour picker
- Acoustic and optic alarm functions
- Alarm display of motion detectors or object states as plain text
- Setting and display of heating regulation parameters
- Control of multi room audio-systems
- Weekly clock timer
- Astronomic clock timer for sunset/sunrise driven controls
- Data logging and charts on display
- Internal scenes with 32 action objects and programmable delays
- Logic functions can be implemented in a scripting language
- Separate display page for alarm settings
- Access protection via global or dedicated passwords
- Possibility for user defined layouts, icons, screensavers etc.

Technical Data

- 3.5" - TFT colour display with touchscreen 320 x 240 RGB
- 32-Bit-ARM-Prozessor, 1 GHz, 8 GByte Flash-Speicher
- MicroSD Slot (for SD / SDHC cards)
- Micro USB Port
- Linux operating system
- Integrated infrared temperature sensor (AC35)
- Integrated temperature sensor (PC35)

Mounting

- Attachment with support ring for 60 / 68 mm in-wall
- Also suitable for Swiss systems
- Theft protection by hidden Allen screw

Programming

- ETS programmable
- 6 Pages with up to 8 control elements each
- Up to 4 KNX objects per control element
- USB tool for individual upload of control icons, images, screensavers etc.

Environmental conditions

Storage: -5 .. +60°C
Operating: -5 .. +55°C
Humidity: max. 90% non-condensing

Power supply

Auxiliary power: 9 .. 32 VDC
Consumption: active: 1,5W
standby: < 0,5W

With the free Arcus software Touch_IT-Creator you can create custom layouts, icons or screensavers for your Touch_IT.

More information on request.





Touch_IT AC35



Article	Article Description	List price	Article No.
Touch_IT-AC35	Aluminium anodized	495,00 €	22413103
Touch_IT-AC35 black	Aluminium black anodized	495,00 €	22413104

Touch_IT PC35



Article	Article Description	List price	Article No.
Touch_IT-PC35	white plastic	395,00 €	22413201
Touch_IT-PC35	black plastic	395,00 €	22413204

KNX Sensor Systems for HVAC Applications



HVAC-Application HLK 305

Functions of the HVAC-Application HLK 305

KNX sensors / controllers with integrated KNX Bus Interface for detection and control of indoor air parameters. The sensor has a variety of other functions that can be found in the corresponding product page.

No auxiliary voltage necessary.

Measured Values

- Air temperature (sensor in the housing) also weighted with external temperature
- Relative humidity
- CO₂ or VOC concentration (sensor in the housing)
- Additional floor, ceiling or component temperature (external PT1000)
- Lux (SK10L)

Calculation and Limit Values

- Absolute humidity, dew point and enthalpy
- Detection of minimum- and maximum temperature
- Heat- and frost-alarm
- Limits for temperature

Control Functions

- Control functions for heating and cooling applications (can be combined)
- Setpoint temperatures for Comfort, Standby, Economy and Protection, selectable via KNX HVAC objects
- Controller output 0..100% or programmable

Control and Report

- Two binary inputs
- Additional two binary inputs (SK30)
- Two Push Buttons (SK30 front)
- Rotary Controller instead of Push Buttons (SK30 front)
- Light control as switch/button with short, long and double function
- Dimmer
- Blind and shutter control
- Temperature adjustment
- Different operating states can be displayed with LED (SK30 front)

Logic

- Four logic blocks for the logical link between internal and external signals
- 10 associated logic inputs/outputs



RTR / RTC, PI, PI-PWM

Binäre Eingänge / binary Inputs

Temperatur / temperature

Luftfeuchte / humidity



TC - Temperature / Climate

Temperature / RTR + additional Functions + CO₂ / VOC

Measured Values

- Air temperature (sensor in the housing) also weighted with external temperature
- [Air quality CO₂- or VOC concentration](#)
- Lux (SK10L)

Calculation and Limit Values

- Detection of minimum- and maximum-temperature
- Heat- and frost-alarm
- Limits for temperature

Control Functions / Control and Report / Logic

[Application HLK 305 complete](#)

TC

THC - Temperature / Humidity / Climate

Temperature / Humidity / RTR + additional Functions + CO₂ / VOC

Measured Values

- Air temperature (sensor in the housing) also weighted with external temperature
- Relative humidity
- [Air quality CO₂- or VOC concentration](#)
- Lux (SK10L)

Calculation and Limit Values

- Absolute humidity, dew point and enthalpy
- Detection of minimum- and maximum temperature
- Heat- and frost-alarm
- Limits for temperature

Control Functions / Control and Report / Logic

[Application HLK 305 complete](#)

THC

TTHC - Temperature / Temperature / Humidity / Climate

Temperature / Temperature / Humidity / RTR + additional Functions + CO₂ / VOC

Measured Values

- Air temperature (sensor in the housing) also weighted with external temperature
- Relative humidity
- [Air quality CO₂- or VOC concentration](#)
- Additional floor, ceiling or component temperature (external PT1000)
- Lux (SK10L)

Calculation and Limit Values

- Absolute humidity, dew point and enthalpy
- Detection of minimum- and maximum-temperature
- Heat- and frost-alarm
- Limits for temperature

Control Functions / Control and Report / Logic

[Application HLK 305 complete](#)

TTHC

KNX Sensor Systems for HVAC Applications - Application HLK 305

TC - Temperature / RTR

+ additional Functions + CO₂ / VOC

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Content



NEO-TC



NEO-TC-x



NEO-TC-CO2



NEO-TC-VOC

SK30-TC



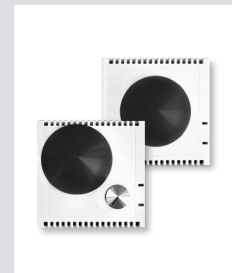
SK30-TC



SK30-TC-PB



SK30-TC-R



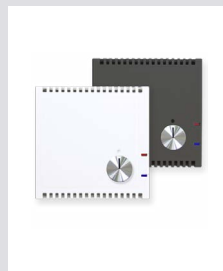
SK30-TC-RSTF
SK30-TC-RSTF-R



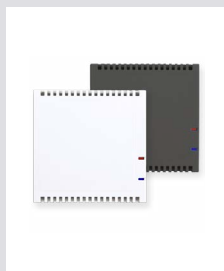
SK30-TC-CO2



SK30-TC-CO2-PB



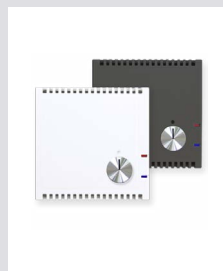
SK30-TC-CO2-R



SK30-TC-VOC



SK30-TC-VOC-PB



SK30-TC-VOC-R

SK20-TC



SK20-TC-2B



SK20-TC-CO2-2B



SK20-TC-VOC-2B

C
HLK
305

SK07-TC



SK07-TC-6B



PT1000-SK07

SK10L-TC



SK10L-TC-L

SK10-TC



SK10-TC



SK10-TC-OFTF



SK10-TC-HTF



SK10-TC-GTF-TPE



SK10-TC-ALTF1



SK10-TC-ALTF2



SK10-TC-ATF



SK10-TC-ESTF



SK10-TC-ETF2



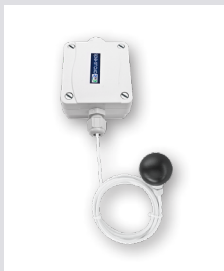
SK10-TC-ETF7



SK10-TC-KTF1



SK10-TC-RPTF1



SK10-TC-RPTF2



SK10-TC-RSTF

TC

KNX Sensor Systems for HVAC Applications - Application HLK 305

THC - Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

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Content

NEO-THC



NEO-THC-x



NEO-THC-CO2



NEO-THC-VOC

SK30-THC



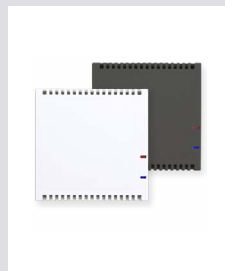
SK30-THC



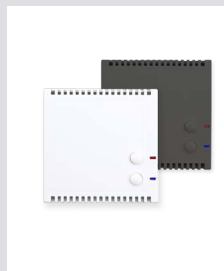
SK30-THC-PB



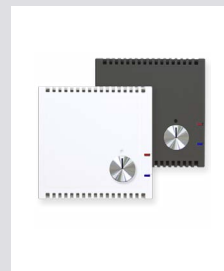
SK30-THC-R



SK30-THC-CO2



SK30-THC-CO2-PB



SK30-THC-CO2-R



SK30-THC-VOC



SK30-THC-VOC-PB



SK30-THC-VOC-R

SK20-THC



SK20-THC-2B



SK20-THC-CO2-2B



SK20-THC-VOC-2B

C
HLK
305

SK07-THC



SK07-THC-4B



HTU21-SK07

SK10-THC



SK10-THC-AFF



SK10L-THC-L-AFF



SK10-THC-CO2-AFF



SK10-THC-VOC-AFF



SK10-THC-ALKF1



SK10-THC-ALKF2



SK10-THC-KF10



SK10-THC-CO2-KF10



SK10-THC-KFF



SK10-THC-CO2-KF



SK10-THC-VOC-KF



SK10-THC-RPFF



SK10-THC-RPFF-MMF



SK10-THC-CO2-RPFF



SK10-THC-CO2-RPFF-MMF

THC

KNX Sensor Systems for HVAC Applications - Application HLK 305

TTHC - Temperature / Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

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Content

C
HLK
305

NEO-TTHC



NEO-TTHC-x

SK30-TTHC



SK30-TTHC



SK30-TTHC-PB



SK30-TTHC-R



SK30-TTHC-CO₂



SK30-TTHC-VOC

SK20-TTHC



SK20-TTHC-2B

SK07-TTHC



SK07-TTHC-4B

SK10-TTHC



SK10L-TTHC-L-AFF



SK10-TTHC-AFF



SK10-TTHC-RPFF



SK10-TTHC-RPFF-MFF



SK10-TTHC-KFF

TTHC



An additional PT1000 probe for surface mounting, screwing in or contacting can be ordered. (See section Z, Components / Replacement Parts)

KNX Sensor Systems for HVAC Applications - Application HLK 305

TC - Temperature / RTR
+ additional Functions + CO2 / VOC

TC

KNX Sensor Systems for HVAC Applications - Application HLK 305

TC - Temperature / RTR
+ additional Functions + CO₂ / VOC

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AQS	Aluminum, square, sanded
AQB	Aluminum, square, sanded, black



Neo-TC-x

KNX Sensor / Controller Temperature
Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C

IP20 Aluminum housing 80 x 80 cm
for (60/68 mm) flush-mounted socket

Article	Product Group	List Price	Article No.
Neo-TC-AQS	WG 1	229,00€	30511583
Neo-TC-AQB			30511584



Neo-TC-CO₂-x

KNX Sensor / Controller Temperature
CO₂ Concentration
Binary Inputs + Additional Functions

Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured CO₂ range: 400 - 5000 ppm

IP20 Aluminum housing 80 x 80 cm
for (60/68 mm) flush-mounted socket

Article	Product Group	List price	Article No.
Neo-TC-CO ₂ -AQS	WG 1	319,00 €	30512563
Neo-TC-CO ₂ -AQB			30512564



Neo-TC-VOC-x

KNX Sensor / Controller Temperature
VOC Concentration
Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured VOC range: 400 - 10 000 ppm CO₂ equivalent

IP20 Aluminum housing 80 x 80 cm
for (60/68 mm) flush-mounted socket

Article	Product Group	List price	Article No.
Neo-TC-VOC-AQS	WG 1	265,00 €	30513563
Neo-TC-VOC-AQB			30513564

KNX Sensor Systems for HVAC Applications - Application HLK 305

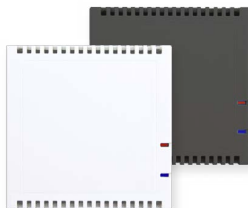
TC - Temperature / RTR

+ additional Functions + CO₂ / VOC

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SK30-TC

KNX Sensor / Controller Temperature
Binary Inputs + Additional Functions



Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TC white	WG 1	169,00 €	30511361
SK30-TC ultra dark grey			30511362

SK30-TC-PB

KNX Sensor / Controller Temperature
Push Buttons
Binary Inputs + Additional Functions



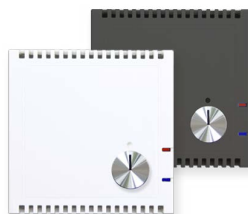
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TC-PB white	WG 1	169,00 €	30511371
SK30-TC-PB ultra dark grey			30511372

SK30-TC-R

KNX Sensor / Controller Temperature
Rotary Controller
Binary Inputs + Additional Functions



Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TC-R white	WG 1	190,00 €	30511351
SK30-TC-R ultra dark grey			30511352

SK30-TC-RSTF / SK30-TC-RSTF-R

KNX Sensor / Controller Temperature
optional Rotary Controller



The temperature probe PT1000 is in a black plastic sphere (Ø 50 mm)

The dark radiation probe detects radiation and radiation heat.

Operating temperature: -5 .. +60 °C
Measuring range: -5 .. +60 °C

IP20 Plastic housing in 55mm standard size



Article	Product Group	List Price	Article No.
SK30-TC-RSTF	WG 1	214,00 €	30516361
SK30-TC-RSTF-R	WG 1	249,00 €	30516351



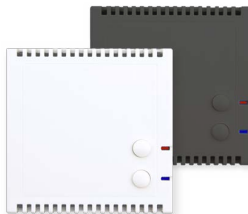
SK30-TC-CO2

KNX Sensor / Controller Temperature
CO₂ Concentration
Binary Inputs + Additional Functions

Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured CO₂ range: 400 - 5000 ppm

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TC-CO2 white	WG 1	255,00 €	30512361
SK30-TC-CO2 ultra dark grey			30512362



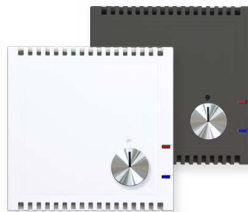
SK30-TC-CO2-PB

KNX Sensor / Controller Temperature
CO₂ Concentration, Push Buttons
Binary Inputs + Additional Functions

Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured CO₂ range: 400 - 5000 ppm

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TC-CO2-PB white	WG 1	260,00 €	30512371
SK30-TC-CO2-PB ultra dark grey			30512372



SK30-TC-CO2-R

KNX Sensor / Controller Temperature
CO₂ Concentration, Rotary Controller
Binary Inputs + Additional Functions

Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured CO₂ range: 400 - 5000 ppm

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TC-CO2-R white	WG 1	279,00 €	30512351
SK30-TC-CO2-R ultra dark grey			30512352

KNX Sensor Systems for HVAC Applications - Application HLK 305

TC - Temperature / RTR

+ additional Functions + CO₂ / VOC

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SK30-TC-VOC



KNX Sensor / Controller Temperature
VOC Concentration
Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured VOC range: 400 - 10 000 ppm CO₂ Äquivalent

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TC-VOC white	WG 1	199,00 €	30513361
SK30-TC-VOC ultra dark grey			30513362

SK30-TC-VOC-PB



KNX Sensor / Controller Temperature
VOC Concentration, Push Buttons
Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured VOC range: 400 - 10 000 ppm CO₂ Äquivalent

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TC-VOC-PB white	WG 1	209,00 €	30513371
SK30-TC-VOC-PB ultra dark grey			30513372

SK30-TC-VOC-R



KNX Sensor / Controller Temperature
VOC Concentration, Rotary Controller
Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured VOC range: 400 - 10 000 ppm CO₂ Äquivalent

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TC-VOC-R white	WG 1	229,00 €	30513351
SK30-TC-VOC-R ultra dark grey			30513352

KNX Sensor Systems for HVAC Applications - Application HLK 305

TC - Temperature / RTR

+ additional Functions + CO₂ / VOC

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SK20-TC-2B

KNX Sensor / Controller Temperature
Binary Inputs

Operating temperature: -25 .. +80 °C

Measured temperature range: -25 .. +80 °C

IP20 Plastic housing (71 x 71 x 25) mm

Article	Product Group	List Price	Article No.
SK20-TC-2B	WG 1	169,00 €	30511261



SK20-TC-CO2-2B

KNX Sensor / Controller Temperature
CO₂ Concentration
Binary Inputs

Operating temperature: -10 .. +50 °C

Measured temperature range: -10 .. +50 °C

Measured CO₂ range: 400 - 5000 ppm

IP20 Plastic housing (71 x 71 x 25) mm

Article	Product Group	List Price	Article No.
SK20-TC-CO2-2B	WG 1	269,00 €	30511261



SK20-TC-VOC-2B

KNX Sensor / Controller Temperature
VOC Concentration
Binary Inputs

Operating temperature: -25 .. +80 °C

Measured temperature range: -25 .. +80 °C

Measured VOC range: 400 - 10 000 ppm CO₂ Äquivalent

IP20 Plastic housing (71 x 71 x 25) mm

Article	Product Group	List Price	Article No.
SK20-TC-VOC-2B	WG 1	209,00 €	30513261

SK07-TC-6B

KNX Sensor / Controller Temperature

Connection for temperature sensor PT1000

6 button inputs

Two switch inputs can be configured as outputs at 3VDC(1mA)

Operating temperature (module): -25 .. +80 °C

Measurement range PT1000: -50 .. +400 °C

IP20 Plastic housing (50 x 50 x 20) mm

Delivery without temperature sensor



Article	Product Group	List Price	Article No.
SK07-TC-6B	WG 1	129,00 €	30510790

Temperature probe PT1000, assembled for SK07

Measured temperature range: -50 .. +150 °C

Connecting cable: PVC 10 cm

Article	Product Group	List Price	Article No.
PT1000-SK07	WG 9	19,00 €	99101071



SK10L-TC-L mit Helligkeitssensor

KNX Sensor / Controller Temperature
with Brightness Sensor

Operating temperature: -25 .. +80 °C

Measured brightness range: 3 .. 220.000 lux ± 20%

Measurement range PT1000: -50 .. +400 °C

IP54/65 Plastic housing (72 x 64 x 45) mm

Delivery without temperature sensor



Article	Product Group	List Price	Article No.
SK10L-TC-L	WG 1	239,00 €	30514100

SK10 without Temperature Probe

KNX Sensor / Controller Temperature

Operating temperature (module): -25 .. +80 °C

Measurement range PT1000: -50 .. +400 °C

IP54/65 Plastic housing (72 x 64 x 40) mm

Delivery without temperature sensor



Article	Product Group	List Price	Article No.
SK10-TC	WG 1	155,00 €	30510000

SK10-TC-OFTF with Surface Contacting



KNX Sensor / Controller Temperature
Surface-Contacting probe, square, for flat surfaces.

The aluminium casing of the PT1000 temperature probe is attached to the surface with glue.

Operating temperature: -25 .. +80 °C
Measured temperature range: -30 .. +105 °C

Connecting cable: PVC 1.5 m
IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-TC-OFTF	WG 1	199,00 €	30511001

SK10-TC-HTF with Sleeve Probe



KNX Sensor / Controller Temperature
Sleeve probe (PT1000) for temperature detection in liquid and gaseous media using an immersion sleeve.

Probe: Stainless steel, sleeve sensor, round, rolled stamped (protected from humidity)
50 mm, Ø 6 mm.

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Article description	Product group	List Price	Article No.
SK10-TC-HTF PVC 1,5 m	Operating temperature: -25 .. +80 °C Measured temperature range: -35 .. +105 °C Connecting cable: PVC 1.5 m	WG 1	189,00 €	30511002
SK10-TC-HTF Silicone 1,5 m	Operating temperature: -25 .. +80 °C Measured temperature range: -50 .. +180 °C Connecting cable: Silicone 1.5 m	WG 1	195,00 €	30511003
SK10-TC-HTF PTFE 1,5 m	Operating temperature: -25 .. +80 °C Measured temperature range: -50 .. +250 °C Connecting Cable IP68: PTFE 1.5 m	WG 1	219,00 €	30511055

SK10-TC-GTF-TPE with TPE Temperature Probe



waterproof, salt water resistant

PT 1000

Measured temperature range: -40 .. 105 °C
Connecting cable: 2 m

IP68 (Probe) / IP65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-TC-GTF-TPE	WG 1	221,00 €	30511057



SK10-TC-ALTF1 with Pipe-mounted Probe

KNX Sensor / Controller Temperature
with axial probe tube

Used for temperature detection of liquid and gaseous media on pipes and tubes.

Installation on pipe with endless strap and metal tightener.

Strap dimensions: Ø 13-92 mm (1/4 - 3"), 300 mm (included in delivery)

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Article description	Product Group	List Price	Article No.
SK10-TC-ALTF1 PVC 1.5 m	Operating temperature: -25 .. +80 °C Measured temperature range: -35 .. +105 °C	WG 1	189,00 €	30511004
SK10-TC-ALTF1 Silicone 1.5 m	Operating temperature: -25 .. +80 °C Measured temperature range: -35 .. +180 °C	WG 1	195,00 €	30511005



SK10-TC-ALTF2 with Pipe-mounted Probe

KNX Sensor / Controller Temperature
with contacting probe (PT1000) on the rear side of the terminal box

Used for temperature detection of liquids and gaseous media in pipes and tubes.

Installation on tubes with endless strap and metal tightener (included).

Strap dimensions: Ø 13 - 92 mm (1/4 - 3"), 300 mm
Operating temperature: -25 .. +80 °C
Measured temperature range: -30 .. +110 °C

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-TC-ALTF2	WG 1	195,00 €	30511006



SK10-TC-ATF2 with External Probe

KNX Sensor / Controller Temperature

The PT1000 probe is enclosed in a V4A stainless steel sheath tube (60 mm, Ø 6 mm).

Operating temperature: -25 .. +80 °C
Measured temperature range: -30 .. +90 °C

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-TC-ATF2	WG 1	199,00 €	30511007



SK10-TC-ESTF with Screw-in Probe – Immersion Sleeve V4A with Cable Connection

KNX Sensor / Controller Temperature

The PT1000 probe is in a brass sheath tube (Ø 8 mm, max. pressure 40 bar) made of V4A steel with cable connection.

Used for temperature detection in liquid or gaseous media, in heating plants, circulation and climate technology.

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Article description	Product Group	List Price	Article No.
SK10-TC-ESTF 50 mm PVC 1,5 m	Operating temperature: -25 .. +80 °C Measured temperature range: -35 .. +105 °C Probe: G 1/2", 50 mm	WG 1	199,00 €	30511008
SK10-TC-ESTF 100 mm PVC 1,5 m	Operating temperature: -25 .. +80 °C Measured temperature range: -35 .. +105 °C Probe: G 1/2", 100 mm	WG 1	205,00 €	30511009
SK10-TC-ESTF 50 mm Silicone 1,5 m	Operating temperature: -25 .. +80 °C Measured temperature range: -50 .. +180 °C Probe: G 1/2", 50 mm	WG 1	219,00 €	30511010
SK10-TC-ESTF 100 mm Silicone 1,5 m	Operating temperature: -25 .. +80 °C Measured temperature range: -50 .. +180 °C Probe: G 1/2", 100 mm	WG 1	224,00 €	30511011

SK10-TC-ETF2 with Screw-in Probe - Immersion Sleeve V4A

KNX Sensor / Controller Temperature

The PT1000 probe is in a stainless steel tube (G 1/2", Ø 6 mm), which is inside a V4A immersion sleeve (Ø 8 mm, max. pressure 40 bar).

Used for temperature detection in liquid or gaseous media, in heating plants, circulation and climate technology.

IP54/65 Plastic housing (72 x 64 x 40) mm



Article	Article description	Product Group	List Price	Article No.
SK10-TC-ETF2 50mm	Operating temperature: -25 .. +80 °C Measured temperature range: -30 .. +150 °C	WG 1	219,00 €	30511020
SK10-TC-ETF2 100mm	Operating temperature: -25 .. +80 °C Measured temperature range: -30 .. +150 °C	WG 1	224,00 €	30511021
SK10-TC-ETF2 150mm	Operating temperature: -25 .. +80 °C Measured temperature range: -30 .. +150 °C	WG 1	229,00 €	30511022
SK10-TC-ETF2 200mm	Operating temperature: -25 .. +80 °C Measured temperature range: -30 .. +150 °C	WG 1	234,00 €	30511023
SK10-TC-ETF2 250mm	Operating temperature: -25 .. +80 °C Measured temperature range: -30 .. +150 °C	WG 1	239,00 €	30511024
SK10-TC-ETF2 300mm	Operating temperature: -25 .. +80 °C Measured temperature range: -30 .. +150 °C	WG 1	244,00 €	30511025
SK10-TC-ETF2 400mm	Operating temperature: -25 .. +80 °C Measured temperature range: -30 .. +150 °C	WG 1	249,00 €	30511 026



SK10-TC-ETF7 with Screw-in Probe, extended Shaft and Neck Tube for quick Response Time

KNX Sensor / Controller Temperature

Temperature probe (PT1000) with neck tube and plain tapered sheath tube, very quick response time, especially suitable for very swift temperature and control processes such as hot water systems.

Pipe length: 25mm
Pipe measurements: Ø 6 mm, plain tapered Ø 4mm
Protective material: stainless steel

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Article description	Product Group	List Price	Article No.
SK10-TC-ETF7 100mm	Operating temperature: -25 .. +80 °C Measured temperature range: -30 .. +150 °C Probe: G 1/2", 100 mm	WG 1	315,00 €	30511034
SK10-TC-ETF7 150mm	Operating temperature: -25 .. +80 °C Measured temperature range: -30 .. +150 °C Probe: G 1/2", 150 mm	WG 1	319,00 €	30511035
SK10-TC-ETF7 250mm	Operating temperature: -25 .. +80 °C Measured temperature range: -30 .. +150 °C Probe: G 1/2", 250 mm	WG 1	325,00 €	30511036

KNX Sensor Systems for HVAC Applications - Application HLK 305

TC - Temperature / RTR

+ additional Functions + CO₂ / VOC

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SK10-TC-KTF1 with Duct Probe incl. Mounting Flange

KNX Sensor / Controller Temperature

The PT1000 probe is in a V4A stainless steel sheath tube (Ø 6 mm).

Used in air ducts and heating and climate technology.
The boxes are mounted onto air ducts with a plastic sleeve and 2 screws.

Operating temperature: -25 .. +80 °C

IP54/65 Plastic housing (72 x 64 x 40) mm



Article	Article description	Product Group	List Price	Article No.
SK10-TC-KTF1 50mm	Measured temperature range: -30 .. +150 °C Probe: 50 mm	WG 1	209,00 €	30511037
SK10-TC-KTF1 100mm	Measured temperature range: -30 .. +150 °C Probe: 100 mm	WG 1	211,00 €	30511038
SK10-TC-KTF1 150mm	Measured temperature range: -30 .. +150 °C Probe: 150 mm	WG 1	213,00 €	30511039
SK10-TC-KTF1 200mm	Measured temperature range: -30 .. +150 °C Probe: 200 mm	WG 1	215,00 €	30511040
SK10-TC-KTF1 250mm	Measured temperature range: -30 .. +150 °C Probe: 250 mm	WG 1	217,00 €	30511041
SK10-TC-KTF1 300mm	Measured temperature range: -30 .. +150 °C Probe: 300 mm	WG 1	219,00 €	30511042
SK10-TC-KTF1 400mm	Measured temperature range: -30 .. +150 °C Probe: 400 mm	WG 1	224,00 €	30511043



SK10-TC-RPTF1 with Room Pendulum Probe

KNX Sensor / Controller Temperature

The temperature probe PT1000 is in a sheath tube.

Especially suited for large rooms and high ceilings. The sensor is suspended from the ceiling.

Probe: 90 mm
Operating temperature: -25 .. +80 °C
Measured temperature range: -5 .. +60 °C
Connecting cable: PVC 2 m

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-TC-RPTF1	WG 1	219,00 €	30511050



SK10-TC-RPTF2 with Dark Radiation Probe

KNX Sensor / Controller Temperature

The temperature probe PT1000 is in a black plastic sphere (Ø 50 mm)

The dark radiation probe detects radiation and radiation heat.

Especially suited for large rooms and high ceilings. The sensor is suspended from the ceiling.

Operating temperature: -25 .. +80 °C
Measured temperature range: -5 .. +60 °C
Connecting cable: PVC 2 m

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-TC-RPTF2	WG 1	219,00 €	30511051



SK10-TC-RSTF with Dark Radiation Probe

KNX Sensor / Controller Temperature

The KNX-Sensor SK10-TC-RSTF is used for measuring and controlling indoor air temperature. Air temperature (dark radiation sensor) also weighted with external temperature.

Operating temperature: -5 .. +60 °C
Measured temperature range: -5 .. +60 °C

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-TC-RSTF	WG 1	239,00 €	30516061

KNX Sensor Systems for HVAC Applications - Application HLK 305

THC - Temperature / Humidity / RTR
+ additional Functions + CO₂ / VOC

THC

KNX Sensor Systems for HVAC Applications - Application HLK 305

THC - Temperature / Humidity / RTR
+ additional Functions + CO₂ / VOC

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THC

AQS	Aluminum, square, sanded
AQB	Aluminum, square, sanded, black

Neo-THC-x

KNX Sensor / Controller Temperature Humidity
Binary Inputs + Additional Functions



Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP20 Aluminum housing 80 x 80 cm
for (60/68 mm) flush-mounted socket

Article	Product Group	List Price	Article No.
Neo-THC-AQS	WG 1	239,00 €	30531583
Neo-THC-AQB			30531584

Neo-THC-CO2-x

KNX Sensor / Controller Temperature Humidity
CO₂ Concentration
Binary Inputs + Additional Functions



Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured humidity range: 0 .. 95% r.H
Measured CO₂ range: 400 - 5000 ppm

IP20 Aluminum housing 80 x 80 cm
for (60/68 mm) flush-mounted socket

Article	Product Group	List Price	Article No.
Neo-THC-CO2-AQS	WG 1	329,00 €	30532563
Neo-THC-CO2-AQB			30532564

Neo-THC-VOC-x

KNX Sensor / Controller Temperature Humidity
VOC Concentration
Binary Inputs + Additional Functions



Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 10 .. 95% r.H
Measured VOC range: 400 - 10 000 ppm CO₂ Equivalent

IP20 Aluminum housing 80 x 80 cm
for (60/68 mm) flush-mounted socket

Article	Product Group	List Price	Article No.
Neo-THC-VOC-AQS	WG 1	279,00 €	30533563
Neo-THC-VOC-AQB			30533564

KNX Sensor Systems for HVAC Applications - Application HLK 305

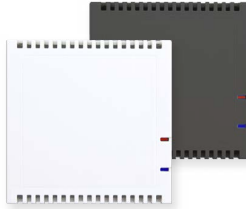
THC - Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

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SK30-THC

KNX Sensor / Controller Temperature Humidity
Binary Inputs + Additional Functions



Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-THC white	WG 1	174,00 €	30531361
SK30-THC ultra dark grey			30531362

SK30-THC-PB

KNX Sensor / Controller Temperature Humidity
Push Buttons
Binary Inputs + Additional Functions



Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-THC-PB white	WG 1	185,00 €	30531371
SK30-THC-PB ultra dark grey			30531372

SK30-THC-R

KNX Sensor / Controller Temperature Humidity
Rotary Controller
Binary Inputs + Additional Functions



Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-THC-R white	WG 1	209,00 €	30531351
SK30-THC-R ultra dark grey			30531352

KNX Sensor Systems for HVAC Applications - Application HLK 305

THC - Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

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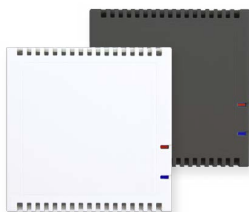


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SK30-THC-CO2



KNX Sensor / Controller Temperature Humidity
CO₂ Concentration
Binary Inputs + Additional Functions

Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured humidity range: 0 .. 95% r.H
Measured CO₂ range: 400 - 5000 ppm

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-THC-CO2 white	WG 1	255,00 €	30532361
SK30-THC-CO2 ultra dark grey			30532362

SK30-THC-CO2-PB



KNX Sensor / Controller Temperature Humidity
CO₂ Concentration, Push Button
Binary Inputs + Additional Functions

Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured humidity range: 0 .. 95% r.H
Measured CO₂ range: 400 - 5000 ppm

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-THC-CO2-PB white	WG 1	269,00 €	30532371
SK30-THC-CO2-PB ultra dark grey			30532372

SK30-THC-CO2-R



KNX Sensor / Controller Temperature Humidity
CO₂ Concentration, Rotary Controller
Binary Inputs + Additional Functions

Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured humidity range: 0 .. 95% r.H
Measured CO₂ range: 400 - 5000 ppm

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-THC-CO2-R white	WG 1	299,00 €	30532351
SK30-THC-CO2-R ultra dark grey			30532352

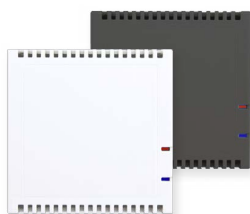
KNX Sensor Systems for HVAC Applications - Application HLK 305

THC - Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

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SK30-THC-VOC



KNX Sensor / Controller Temperature Humidity
VOC Concentration
Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 10 .. 95% r.H
Measured VOC range: 400 - 10 000 ppm CO₂ equivalent

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-THC-VOC white	WG 1	215,00 €	30533361
SK30-THC-VOC ultra dark grey			30533362

SK30-THC-VOC-PB



KNX Sensor / Controller Temperature Humidity
VOC Concentration, Push Button
Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 10 .. 95% r.H
Measured VOC range: 400 - 10 000 ppm CO₂ equivalent

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-THC-VOC-PB white	WG 1	225,00 €	30533371
SK30-THC-VOC-PB ultra dark grey			30533372

SK30-THC-VOC-R



KNX Sensor / Controller Temperature Humidity
VOC Concentration, Rotary Controller
Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 10 .. 95% r.H
Measured VOC range: 400 - 10 000 ppm CO₂ equivalent

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-THC-VOC-R white	WG 1	245,00 €	30533351
SK30-THC-VOC-R ultra dark grey			30533352

KNX Sensor Systems for HVAC Applications - Application HLK 305

THC - Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

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SK20-THC-2B

KNX Sensor / Controller Temperature Humidity
Binary Inputs

Operating temperature: -20 .. +80 °C
Measured temperature range: -20 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP20 Plastic housing (71 x 71 x 25) mm

Article	Product Group	List Price	Article No.
SK20-THC-2B	WG 1	169,00 €	30531261



SK20-THC-CO2-2B

KNX Sensor / Controller Temperature
CO₂ Concentration
Binary Inputs

Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured humidity range: 0 .. 95% r.H
Measured CO₂ range: 400 - 5000 ppm

IP20 Plastic housing (71 x 71 x 25) mm

Article	Product Group	List Price	Article No.
SK20-THC-CO2-2B	WG 1	274,00 €	30532261



SK20-THC-VOC-2B

KNX Sensor / Controller Temperature
VOC Concentration
Binary Inputs

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 10 .. 95% r.H
Measured VOC range: 400 - 10 000 ppm CO₂ Equivalent

IP20 Plastic housing (71 x 71 x 25) mm

Article	Product Group	List Price	Article No.
SK20-THC-VOC-2B	WG 1	225,00 €	30533261

KNX Sensor Systems for HVAC Applications - Application HLK 305

THC - Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

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SK07-THC-4B

KNX Sensor / Controller Temperature Humidity



Connection for Temp. / Humidity Sensor (HTU21)

4 button inputs

Two switch inputs can be configured as outputs at 3VDC(1mA)

Operating temperature (module): -25 .. +80 °C

Measurement range HTU21 Temperature: -25 .. +80 °C

Measurement range HTU21 Humidity: 0 .. 100% r.H

IP20 Plastic housing (50 x 50 x 20) mm

Delivery without temperature/humidity sensor

Article	Product Group	List Price	Article No.
SK07-THC-4B	WG 1	135,00 €	30530780

Temperature humidity probe, assembled for SK07



Measured temperature range: -25 .. +80 °C

Measured humidity range: 0 .. 100% r.H.

Connecting cable: PVC 9 cm

Article	Product Group	List Price	Article No.
HTU21-SK07	WG 1	34,00 €	99121071

SK1-THC-AFF

KNX Sensor / Controller

Temperature / Humidity / Climate



The probe is protected from dust by a poroplast protective coating.

Application: building automation, refrigeration, air conditioning and ventilation systems, clean rooms, greenhouses, etc.

Probe Length: 45 mm

Operating temperature: -25 .. +80 °C

Measured temperature range: -25 .. +80 °C

Measured humidity range: 0 .. 100% r.H

IP54/65 Plastic housing (72 x 64 x 40) mm



Article	Product Group	List Price	Article No.
SK10-THC-AFF	WG 1	229,00 €	30531053
SK10-THC-AFF-MMF	WG 1	259,00 €	30531058

SK10L-THC-L-AFF with Brightness Sensor

KNX Sensor / Controller
Temperature / Humidity / Climate
with Brightness Sensor

The probe is protected from dust by a poroplast plastic coating.

Probe Length: 45 mm
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H
Measured brightness range: 3 .. 220.000 lux ± 20%

IP54/65 Plastic housing (72 x 64 x 45) mm

Article	Product Group	List Price	Article No.
SK10L-THC-L-AFF	WG 1	319,00 €	30534153



SK10-THC-CO2-AFF

KNX Sensor / Controller Temperature Humidity
CO2 Concentration

Probe Length: 45 mm
Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured humidity range: 0 .. 95% r.H
Measured CO2 range: 400 - 5000 ppm

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-CO2-AFF	WG 1	339,00 €	30532053



SK10-THC-VOC-AFF

KNX Sensor / Controller Temperature Humidity
VOC Concentration

Probe Length: 45 mm
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 10 .. 95% r.H
Measured VOC range: 400 - 10 000 ppm CO2 equivalent

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-VOC-AFF	WG 1	289,00 €	30533053



SK10-THC-KF10 with Duct Probe for Small Ducts

KNX Sensor / Controller
Temperature / Humidity / Climate



Measuring and control unit with duct sensor for temperature and humidity.
Protection class IP65 (SK10 housing) / IP54 (sensor)

The duct sensor is suitable for air ducts from 100 mm diameter.
The sensor can also be mounted on rectangular ducts.

Cable length: 1.8m
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-KF10	WG 1	269,00 €	30531010

SK10-THC-CO2-KF10 with Duct Probe for Small Ducts

KNX Sensor / Controller
Temperature / Humidity / Climate



Condensation monitor with tensioning strap for direct pipe mounting.
Contacting probe (PT1000) on the rear side of the terminal box

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-ALKF2	WG 1	265,00 €	30531162



SK10-THC-KFF with Duct Probe

KNX Sensor / Controller
Temperature / Humidity / Climate

The probe is protected from dust by a poroplast protective coating.

Application: detection of temperature in air ducts, local regulation in heating systems for constant KNX valves or electrothermal valves, local air regulation.

Installation: The boxes are fixed to the air duct with a plastic sleeve and two screws.

Probe length: 230 mm
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-KFF	WG 1	269,00 €	30531057



SK10-THC-CO2-KF with CO₂ Duct Probe

KNX Sensor / Controller Temperature Humidity
CO₂ Concentration

Probe length: 230 mm
Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured humidity range: 0 .. 95% r.H
Measured CO₂ range: 400 - 5000 ppm

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-CO2-KF	WG 1	339,00 €	30532001



SK10-THC-VOC-KF with VOC Duct Probe

KNX Sensor / Controller Temperature Humidity
VOC Concentration

Probe length: 230 mm
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 10 .. 95% r.H
Measured VOC range: 400 - 10 000 ppm CO₂ equivalent

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-VOC-KF	WG 1	289,00 €	30533001



SK10-THC-ALKF1 - Condensation Monitor

KNX Sensor / Controller
Temperature / Humidity / Climate

Condensation monitor with remote sensor head and connecting cable

Cable length: 1.5m
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-ALKF1	WG 1	265,00 €	30531161



SK10-THC-ALKF2 - Condensation Monitor

KNX Sensor / Controller
Temperature / Humidity / Climate

Condensation monitor with tensioning strap for direct pipe mounting.
Contacting probe (PT1000) on the rear side of the terminal box

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-ALKF2	WG 1	265,00 €	30531162

SK10-THC-RPFF with Room Pendulum Probe

KNX Sensor / Controller
Temperature / Humidity / Climate



Application: building automation, refrigeration, air conditioning and clean room technology, greenhouses, halls with high ceilings.

For installation in high rooms the sensor is suspended from the ceiling.

The probe is protected from dust by a poroplast protective coating and is used as a pendulum room sensor.

Probe: 90 mm
Connecting cable: PVC 2 m
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-RPFF	WG 1	274,00 €	30531054

SK10-THC-RPFF-MMF with Room Pendulum Probe (Metal Membrane Filter)

KNX Sensor / Controller
Temperature / Humidity / Climate



Application: building automation, refrigeration, air conditioning and clean room technology, greenhouses, halls with high ceilings.

For the installation in high rooms the sensor is suspended from the ceiling.

The probe is protected from condensation and dust by a hydrogas metal membrane filter and is used as a pendulum room sensor.

Probe: 90 mm
Connecting cable: PVC 2m
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-RPFF-MMF	WG 1	309,00 €	30531056

SK10-THC with CO2 Room Pendulum Probe

KNX Sensor / Controller
Temperature / Humidity / Climate
CO₂ Concentration



Application: building automation, refrigeration, air conditioning and clean room technology, greenhouses, halls with high ceilings.

For installation in high rooms the sensor is suspended from the ceiling.

The probe is protected from dust by a poroplast protective coating and is used as a pendulum room sensor.

Probe: 120 mm
Connecting cable: PVC 2 m
Operating temperature: -10 .. +60 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H
Measured CO₂ range: 0 .. 40000 ppm

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-CO2-RPFF	WG 1	355,00 €	30532064

SK10-THC with CO2 Room Pendulum Probe (Metal Membrane Filter)

KNX Sensor / Controller
Temperature / Humidity / Climate
CO₂ Concentration



Application: building automation, refrigeration, air conditioning and clean room technology, greenhouses, halls with high ceilings.

For the installation in high rooms the sensor is suspended from the ceiling.

The probe is protected from condensation and dust by a hydrogas metal membrane filter and is used as a pendulum room sensor.

Probe: 120 mm
Connecting cable: PVC 2m
Operating temperature: -10 .. +60 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H
Measured CO₂ range: 0 .. 40000 ppm

IP54/65 Plastic housing (72 x 64 x 40) mm

Article	Product Group	List Price	Article No.
SK10-THC-CO2-RPFF-MMF	WG 1	365,00 €	30532066

KNX Sensor Systems for HVAC Applications - Application HLK 305

TTHC - Temperature / Temperature / Humidity / RTR
+ additional Functions + CO2 / VOC

TTHC

KNX Sensor Systems for HVAC Applications - Application HLK 305

TTHC - Temperature / Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

arcus-eds

AQS	Aluminum, square, sanded
AQB	Aluminum, square, sanded, black

Neo-TTHC-x



KNX Sensor / Controller Temperature Humidity
ext. Temperature (PT1000)
Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H
Measured range ext. PT1000: -50 .. +400 °C

IP20 Aluminum housing (80 x 80 cm) for flush-mounted socket (60/68 mm)

Article	Product Group	List Price	Article No.
Neo-TTHC-AQS	WG 1	259,00 €	30541583
Neo-TTHC-AQB			30541584

Neo-TTHC-CO2-x



KNX Sensor / Controller Temperature Humidity
CO2 Concentration
ext. Temperature (PT1000), Push Buttons
Binary Inputs + Additional Functions

Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured humidity range: 0 .. 95% r.H
Measured range ext. PT1000: -50 .. +400 °C (depending on the sensor)
Measured CO2 range: 400 - 5000 ppm

IP20 Aluminum housing for (60/68 mm) flush-mounted socket

Article	Product Group	List Price	Article No.
Neo-TTHC-CO2-AQS	WG 1	332,00 €	30542563
Neo-TTHC-CO2-AQB			30542564

Neo-TTHC-VOC-x



KNX Sensor / Controller Temperature Humidity
VOC Concentration
ext. Temperature (PT1000)
Binary Inputs + Additional Functions

Operating temperature: 25 .. +80 °C
Measured temperature range: 25 .. +80 °C
Measured humidity range: 10 .. 95% r.H
Measured range ext. PT1000: -50 .. +400 °C
Measured VOC range: 400 - 10 000 ppm CO2 Equivalent

IP20 Aluminum housing for (60/68 mm) flush-mounted socket

Article	Product group	List Price	Article No.
Neo-TTHC-VOC-AQS	WG 1	295,00 €	30543563
Neo-TTHC-VOC-AQB			30543564

KNX Sensor Systems for HVAC Applications - Application HLK 305

TTHC - Temperature / Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

arcus-eds

SK30-TTHC



KNX Sensor / Controller Temperature Humidity
ext. Temperature (PT1000)

Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H
Measured range ext. PT1000: -50 .. +400 °C

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TTHC white	WG 1	199,00 €	30541361
SK30-TTHC ultra dark grey			30541362

SK30-TTHC-PB



KNX Sensor / Controller Temperature Humidity
ext. Temperatur (PT1000), Push Buttons

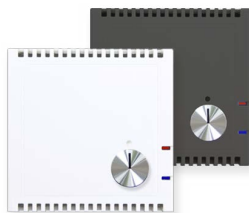
Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H
Measured range ext. PT1000: -50 .. +400 °C

IP20 Plastic housing in 55mm standard size

Article	Product Group	List price	Article No.
SK30-TTHC-PB white	WG 1	205,00 €	30541371
SK30-TTHC-PB ultra dark grey			30541372

SK30-TTHC-R



KNX Sensor / Controller Temperature Humidity
ext. Temperatur (PT1000), Rotary Controller

Binary Inputs + Additional Functions

Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H
Measured range ext. PT1000: -50 .. +400 °C

IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TTHC-R white	WG 1	225,00 €	30541351
SK30-TTHC-R ultra dark grey			30541352

KNX Sensor Systems for HVAC Applications - Application HLK 305

TTHC - Temperature / Temperature / Humidity / RTR
+ additional Functions + CO₂ / VOC

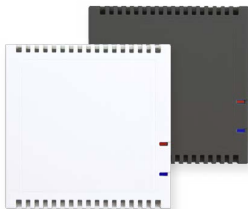
arcus-eds



SK30-TTHC-CO2

KNX Sensor / Controller Temperature Humidity
CO₂ Concentration
ext. Temperature (PT1000)
Binary Inputs + Additional Functions
Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured humidity range: 0 .. 95% r.H
Measured range ext. PT1000: -50 .. +400 °C
Measured CO₂ range: 400 - 5000 ppm
IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TTHC-CO2 white	WG 1	284,00 €	30542361
SK30-TTHC-CO2 ultra dark grey			30542362



SK30-TTHC-VOC

KNX Sensor / Controller Temperature Humidity
VOC Concentration
ext. Temperatur (PT1000)
Binary Inputs + Additional Functions
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 10 .. 95% r.H
Measured Temp. range ext. PT1000: -50 .. +400 °C
Measured VOC range: 400 - 10 000 ppm CO₂ equivalent
IP20 Plastic housing in 55mm standard size

Article	Product Group	List Price	Article No.
SK30-TTHC-VOC white	WG 1	239,00 €	30543361
SK30-TTHC-VOC ultra dark grey			30543362



An additional PT1000 probe for surface mounting, screwing in or contacting
can be ordered.

(See section Z, Components / Replacement Parts)

KNX Sensor Systems for HVAC Applications - Application HLK 305

TTHC - Temperature / Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

arcus-eds

SK20-TTHC-2B

KNX Sensor / Controller Temperature Humidity
ext. Temperature (PT1000)
Binary Inputs



Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H
Measured range ext. PT1000: -50 .. +400 °C

IP20 Plastic housing (71 x 71 x 25) mm

Article	Product Group	List Price	Article No.
SK20-TTHC-2B	WG 1	199,00 €	30541261

SK20-TTHC-CO2-2B

KNX Sensor / Controller Temperature Humidity
ext. Temperature (PT1000)
CO₂ Concentration
Binary Inputs



Operating temperature: -10 .. +50 °C
Measured temperature range: -10 .. +50 °C
Measured humidity range: 0 .. 95% r.H
Measured range ext. PT1000: -50 .. +400 °C
Measured CO₂ range: 300 - 5000 ppm

IP20 Plastic housing (71 x 71 x 25) mm

Article	Product Group	List Price	Article No.
SK20-TTHC-CO2-2B	WG 1	289,00 €	30542261

SK20-TTHC-VOC-2B

KNX Sensor / Controller Temperature Humidity
ext. Temperature (PT1000)
VOC Concentration
Binary Inputs



Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 10 .. 95% r.H
Measured range ext. PT1000: -50 .. +400 °C
Measured VOC range: 400 - 10 000 ppm CO₂ equivalent

IP20 Plastic housing (71 x 71 x 25) mm

Article	Product Group	List Price	Article No.
SK20-TTHC-VOC-2B	WG 1	255,00 €	30543261



An additional PT1000 probe for surface mounting, screwing in or contacting can be ordered.

(See section Z, Components / Replacement Parts)

KNX Sensor Systems for HVAC Applications - Application HLK 305

TTHC - Temperature / Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC / LUX

arcus-eds



SK07-TTHC-4B

KNX Sensor / Controller Temperature Humidity

Connection for PT1000, Connection for Temp. / Humidity Sensor (HTU21)

4 button inputs, Two switch inputs can be configured as outputs at 3VDC(1mA)

Operating temperature (module): -25 .. +80 °C
Measured temperature range (HTU21): -25 .. +80 °C
Measured humidity range (HTU21): 0 .. 100% r.H.
Measured range PT1000: -50 .. +400 °C

IP20 Plastic housing (50 x 50 x 20) mm

Delivery without temperature/humidity sensor

Article	Product Group	List Price	Article No.
SK07-TTHC-4B	WG 1	145,00 €	30540780

Temperature humidity probe, assembled for SK07

Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H.
Connecting cable: PVC 9 cm

Article	Product Group	List Price	Article No.
HTU21-SK07	WG 1	34,00 €	99121071



SK10L-TTHC-L-AFF with Brightness Sensor

KNX Sensor / Controller

Temperature / Humidity / Climate

with Brightness Sensor ext. Temperature (PT1000)

The probe is protected from dust by a poroplast protective coating.

Probe: 45 mm
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H.
Measured brightness range: 3 .. 220.000 lux ± 20 %
Measured range ext. PT1000: -50 .. +400 °C

IP54/65 Plastic housing (72 x 64 x 45) mm

An additional PT1000 probe is not included in delivery.

Article	Product Group	List Price	Article No.
SK10L-TTHC-L-AFF	WG 1	355,00 €	30544153



SK10-TTHC-AFF

KNX Sensor / Controller Temperature / Humidity

+ ext. Temperature (PT1000)

Application: building automation, refrigeration, air conditioning and ventilation technology, greenhouses etc.

The temperature / humidity probe is protected from dust by a poroplast protective coating.

Probe: 45 mm
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H.
Measured range ext. PT1000: -50 .. +400 °C

IP54/65 Plastic housing (72 x 64 x 40) mm

An additional PT1000 probe is not included in delivery.

Article	Product Group	List Price	Article No.
SK10-TTHC-AFF	WG 1	279,00 €	30541053



KNX Sensor Systems for HVAC Applications - Application HLK 305

TTHC - Temperature / Temperature / Humidity / RTR

+ additional Functions + CO₂ / VOC

arcus-eds

Content



C

HLK
305

TTHC



SK10-TTHC-RPFF with Room Pendulum Probe

KNX Sensor / Controller Temperature / Humidity
+ ext. Temperature (PT1000)

Application: building automation, refrigeration, air conditioning and ventilation technology, greenhouses, in halls with high ceilings, etc.

For installation in high rooms the sensor is suspended from the ceiling.

The probe is protected from dust by a poroplast protective coating and is used as a pendulum room sensor.

Probe: 90 mm
Connecting cable: PVC 2m
Operating temperature: -25 .. +80°C
Measured temperature range: -25 .. +80°C
Measured humidity range: 0 .. 100% r.H
Measured range ext. PT1000: -50 .. +400 °C

IP54/65 Plastic housing (72 x 64 x 40) mm

An additional PT1000 probe is not included in delivery.

Article	Product Group	List Price	Article No.
SK10-TTHC-RPFF	WG 1	319,00 €	30541054

SK10-TTHC-RPFF-MMF with Room Pendulum Probe (Metal Membrane Filter)

KNX Sensor / Controller Temperature / Humidity
+ ext. Temperature (PT1000)

Application: building automation, refrigeration, airconditioning and clean room technology, greenhouses, halls with high ceilings.

For the installation in high rooms the sensor is suspended from the ceiling.

The probe is protected from condensation and dust by a hydrogas metal membrane filter and is used as a pendulum room sensor.

Probe: 90 mm
Connecting cable: PVC 2m
Operating temperature: -25 .. +80°C
Measured temperature range: -25 .. +80°C
Measured humidity range: 0 .. 100% r.H
Measured range ext. PT1000: -50 .. +400 °C

IP54/65 Plastic housing (72 x 64 x 40) mm

An additional PT1000 probe is not included in delivery.

Article	Product Group	List Price	Article No.
SK10-TTHC-RPFF -MMF	WG 1	345,00 €	30541056

SK10-TTHC-KFF with Duct Probe

KNX Sensor / Controller/ Temperature / Humidity / Climate
+ ext. Temperature (PT1000)



The probe is protected from dust by a poroplast protective coating.

Application: detection of temperature in air ducts, local regulation in heating systems for constant KNX valves or electrothermal valves, local air regulation.

Installation: The boxes are fixed to the air duct with a plastic sleeve and two screws.

Probe length: 230 mm
Operating temperature: -25 .. +80 °C
Measured temperature range: -25 .. +80 °C
Measured humidity range: 0 .. 100% r.H
Measured range ext. PT1000: -50 .. +400 °C

IP54/65 Plastic housing (72 x 64 x 40) mm

An additional PT1000 probe is not included in delivery.

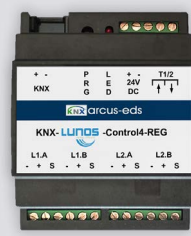
Article	Product Group	List Price	Article No.
SK10-TTHC-KFF	WG 1	309,00 €	30541057



An additional PT1000 probe for surface mounting, screwing in or contacting can be ordered.

(See section Z, Components / Replacement Parts)

KNX Actuators



Ventilation



SK07-Lunos-Control4-IW



KNX-Lunos-Control4-REG

Heating



SK08-Ventil4

The module **KNX LUNOS Control4-IW** enables control of decentralized ventilation units from the company Lunos (www.lunos.de) via the KNX bus.

- Ventilation units **e²** und **e⁹⁰** with heat recovery
- Ventilation units Silvento FK, Ra 15-60 und ACM-Modul as pure exhaust fans

Up to 4 ventilation devices are powered by a module.

Several modules can be networked together via the KNX bus to allow coordinated operation. The ventilation units can be directly controlled by the existing switch inputs.



SK07-Lunos-Control4-IW

The module enables the control of decentralized ventilation units with heat recovery from the company Lunos.

Operating temperature: -5 .. +45 °C
Additional voltage: 24 .. 32 VDC max. 18 W

IP20 Plastic housing (50 x 50 x 20) mm
For in-wall mounting in dry interiors, IP20

Article	Product Group	List Price	Article No.
SK07-Lunos-Control4-IW	WG 1	175,00 €	65001002



SK07-Lunos-Control4-REG

The module enables the control of decentralized ventilation units with heat recovery from the company Lunos.

Operating temperature: -5 .. +45 °C
Additional voltage: 24 .. 32 VDC max. 18 W

DIN Rail mounted housing 4 units width (70 x 90 x 63 mm)
IP20

Article	Product Group	List Price	Article No.
KNX-Lunos-Control4-REG	WG 1	198,00 €	65001004

KNX Actuators

Heating

On-wall KNX controller for heating actuators

The actuator control Arcus Ventil4 enables the control of up to 4 actuators or mixing valves in the heating system.

0 -12V linear actuator for valves or a 24V PWM for thermal control valves in heating circuit are available.

Additional supply of 24 .. 32 VDC necessary



SK08-Ventil4

Control of up to 4 actuators or mixing valves

Additional voltage: 24 .. 32 VDC
Plastic housing: (115 x 65 x 55) mm

On-wall mounting in dry indoor applications IP54/65

Article	Product Group	List Price	Article No.
SK08-Ventil4	WG 1	235,00 €	65102008

Physical and Chemical Measurement Technology



8 x Temperature



SK08-T8

Global Radiation



SK10-GLBS-MES

Water Quality



SK80-WAQ



SK80-WAQ-MES

Soil Humidity



SK80-BFT-WMT



SK80-BFTLFT-AFF-WMT

Level Metering



SK80-F-PM-5

SK80-F-T-PM-5
SK80-F-T-PM-10SK80-F-T-PMO-5
SK80-F-T-PMO-10

SK80-F-U-5

Voltage Metering



SK08-AN2

The **product series S8** provides a range of sensors and controllers of various physical and chemical measurements for indoor and outdoor applications.

Functions:

- Up to 8 measured values each with:
- Two position controller with switch and pulse 1-bit output or
 - PI controller with continuous 8-bit or pulse-width modulated 1-bit output
 - Adjustable periodic display of control variable: no periodic display / 10-250 seconds
 - Adjustable release and lock with all controllers
 - Threshold alarms for upper and lower thresholds
 - Auxiliary adjusting of set value or threshold via the bus
 - Calibration of the sensors (offset cancellation)

8 x Temperatur

SK08-T8

KNX Controller 8 Channel Temperature for measurement and control of up to 8 temperatures.

The temperatures are measured with the external PT1000 temperature probes. Different kind of probes can be mixed in one installation.

The temperature probes (PT1000) are not included in delivery.

The SK08-T8 can also be ordered to connect PT100 or PT500 elements.

Operating temperature: -20 .. +80 °C

Plastic housing: (115 x 65 x 55) mm

For indoor / outdoor and damp room
IP54/65



Article	Article description	Product Group	List Price	Article No.
SK08-T8	Operating temperature: -20 .. +80 °C	WG 1	319,00 €	30801000
	Measured temperature range: PT1000 -50 .. +200 °C			
SK08-T8-PT100	Operating temperature: -20 .. +80 °C	WG 1	359,00 €	30801100
	Measured temperature range: PT1000 -50 .. +200 °C			
SK08-T8-PT500	Operating temperature: -20 .. +80 °C	WG 1	359,00 €	30801500
	Measured temperature range: PT1000 -50 .. +200 °C			



An additional PT1000 probe for surface mounting, screwing in or contacting with customised cable-length can be ordered.

(See section Z, Components / Replacement Parts)

Water Quality

SK80-WAQ / SK80-WAQ-MES

Galvanic isolated instrumentation amplifier and bus coupling unit for measurement and control of the water quality indicators pH and ORP. Connection option for an external PT1000 temperature sensor to enable pH-value compensation.

The age of the electrodes depends on many factors, so the exact expectancy can not be estimated.
Standard values:

- Operation in room temperature: 1-3 years
- Operation in 60-80 °C: several months

Measuring Electrode Units (see section Z, Components / Replacement Parts)

For monitoring and control of the water quality in aquariums, swimming pools, ponds and service water systems.

Operating temperature probes: 0 .. +80 °C

Plastic housing: (120 x 90 x 50) mm
For indoor / outdoor and damp room IP54/65



Article	Article description	Product Group	List Price	Article No.
SK80-WAQ	KNX Sensor / controller for water quality without Measuring Electrode Units Operating temperature of probes: 0 ... +80 °C Temperature measurement range (external PT1000): -50 ... +200 °C	WG 1	315,00 €	30802100
SK80-WAQ-MES	KNX Sensor / controller for water quality with Measuring Electrode Units included Operating temperature of probes: 0 ... +80 °C Temperature measurement range (external PT1000): -50 ... +200 °C	WG 10	455,00 €	30802101
Probes for SK80-WAQ	WAQ Probe Set single-rod measuring cells	WG 9	225,00 €	91110020

Global Radiation

SK08-GLBS-MES



Our SK10-GLBS-MES measurement system captures global irradiance using the BGT-SR1(Z) sensor. This sensor detects light in the 400 nm – 1100 nm wavelength range, delivering precise global-radiation readings.

- Horizontal adjustment mechanism and built-in bubble level for quick, accurate leveling
- KNX connectivity via the KNX-GW-Modbus-RS485-SK10 gateway

Measurement range: 0-2000 W/m²
Accuracy: ± 5 %
Wavelength range: 400 .. 1100 nm

Außen / Feuchtraum, IP65/66

Article	Product Group	List Price	Article No.
SK10-GLBS-MES	WG 10	435,00 €	40304001

Soil Moisture

SK80-BFT-WMT



KNX sensor / controller for monitoring and control of soil moisture and soil temperature.

(PT1000) with Watermark®-WM (maintenance-free / frost-resistant) soil moisture probe.

Operating temperature probe: -20 .. +80 °C
Measured Temp. Range: -20 .. +80 °C

Connection cable Watermark®-WM:
Standard: 5 m
Other cable lengths on request.

Plastic housing: (120 x 90 x 50) mm

Article	Product Group	List Price	Article No.
SK80-BFT-WMT incl. Watermark® soil moisture probe	WG 10	335,00 €	30805001

SK80-BFTLFT-AFF-WMT



KNX sensor / controller for monitoring and control of soil moisture and soil temperature.

(PT1000) with Watermark®-WM (maintenance free) soil moisture probe
and air temperature and humidity sensor.

Operating temperature: -20 .. +80 °C
Measured Temp. Range (Soil): -20 .. +80 °C
Measured Temp. Range (Air): -20 .. +80 °C
Measured Humidity Range: 0 .. 100% r.H

Connection Cable Watermark®-WM:
Standard: 5 m
Other cable lengths on request.

Plastic housing: (120 x 90 x 50) mm
For indoor / outdoor and damp room IP54/65

Article	Product Group	List Price	Article No.
SK80-BFTLFT-AFF-WMT incl. Watermark® soil moisture probe	WG 10	375,00 €	30805121

Füllstand | Hydrostatisch



The KNX level measuring system SK80-F measures and regulates the filling and water levels from water cisterns or oil tanks of different shapes and with KNX connection.

The measuring system includes a hydrostatic sensor and the KNX coupler with integrated display.

Housing SK80 (120 x 90 x 50 mm)
Outdoors and damp room IP54/65



Article	Article description	Product Group	List Price	Article No.
SK80-F	without Sensor	WG 1	279,00 €	30807000

SK80-F-PM for Water



Article	Article description	Product Group	List Price	Article No.
SK80-F-PM-5	Maximum Fill Level: 5 m Cable length: 10 m	WG 10	434,00 €	30807205
SK80-F-T-PM-5	with Temperature Sensor Maximum Fill Level: 5 m Cable length: 10 m	WG 10	479,00 €	30807305
SK80-F-T-PM-10	with Temperature Sensor Maximum Fill Level: 10 m Cable length: 15 m	WG 10	499,00 €	30807310

SK80-F-PMO for Heating Oil



Article	Article description	Product Group	List Price	Article No.
SK80-F-T-PMO-5	with Temperature Sensor Maximum Fill Level: 5 m Cable length: 10 m	WG 10	497,00 €	30807370
SK80-F-T-PMO-10	with Temperature Sensor Maximum Fill Level: 10 m Cable length: 15 m	WG 10	507,00 €	30807380

Füllstand | Ultraschall



SK80-F-U

The KNX level measuring system SK80-F measures and regulates the filling and water levels from water cisterns or oil tanks of different shapes and with KNX connection.

The measuring system includes an ultrasonic sensor and the KNX coupler with integrated display.

Housing SK80 (120 x 90 x 50 mm)
Outdoors and damp room IP54/65

Article	Article description	Product Group	List Price	Article No.
SK80-F-U-5	Maximum Fill Level: 5 m Cable length: 10 m	WG 10	455,00 €	30807105

Spannungsmessung



Voltage Metering SK08-AN2

KNX Dataconverter / controller for monitoring and control of two analog voltages.
Input range 0 .. 10 VDC.

Factory setting: 0 .. 10 VDC

Plastic housing: (115 x 65 x 55) mm
For indoor / outdoor and damp room IP54/65

Article	Product Group	List Price	Article No.
SK08-AN2	WG 1	249,00 €	30806202



KNX Gateways

DMX / RS232 / RS485 / MBUS / MODBUS / HAN

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Content

Gateway 2 DMX / RS232 / RS485



KNX-GW2-DMX



KNX-GW2-DMX-2TE



KNX-GW2-RS232-RS485



KNX-GW2-RS485-2TE

Gateway MBUS



KNX-GW-MBUS-SK10

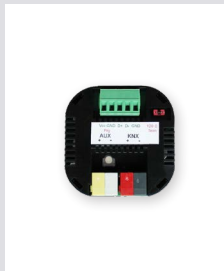


KNX-GW-MBUS-REG

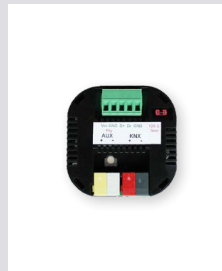


KNX-GW-MBUS-SK08

Gateway MODBUS



KNX-GW-MODBUS-SK07-RS485



KNX-GW-MODBUS-SK07-RS232



KNX-GW-MODBUS-REG-RS485



KNX-GW-MODBUS-SK10-RS485

Gateway HAN P1



KNX-GW-HAN-MBUS-REG



KNX-GW-HAN-P1-REG

F

Gateways

KNX-Gateway 2
DMX / RS232 / RS485

Technical Data

Outline:	2TE (35 x 90 x 63 mm) 6TE (107 x 75 x 31 mm)
Protection class:	IP 20
Operating temperature:	-5 .. +45 °C
KNX-load:	20 .. 32 VDC / 150 mW
Power supply:	9 .. 30 VDC / 100 mA
Data rates:	RS232 (DMX) 250.0 kBaud max. RS485 (DMX) 115.2 kBaud max.



KNX-GW2-DMX



KNX-GW2-DMX-2TE

KNX-GW2-DMX

The KNX-DMX Gateway is an interface between the KNX bus and the DMX512 bus. It combines elements of building automation with a variety of lighting and special effects devices for every need.

The KNX-DMX Gateway is unidirectional, receives data telegrams on the KNX bus and transmits the data onto the DMX512 bus. The interface allows the DMX512 actuators to communicate via the KNX bus using the full range of the channel.

Windows 10 compatible
Extended Memory

Parametrization is done by the dedicated program KNX-DMX-GW-II-Configurator.

Article	Product Group	List Price	Article No.
KNX-GW2-DMX (6TE)	WG 1	409,00 €	40200186

Article	Product Group	List Price	Article No.
KNX-GW2-DMX-2TE	WG 1	399,00 €	40200182



KNX-GW2-RS232-RS485



KNX-GW2-RS485-2TE

KNX-GW2-RS232-RS485

The KNX-GW2-RS232-RS485 is a gateway between the KNX-Bus and the serial lines RS232 or RS485. It can be used to easily connect devices with serial data of both directions like multimedia equipment or alarm systems to the KNX-Bus.

Windows 10 compatible
Extended memory

The parametrization is done by the new associated software KNX-SERIAL-GW-II-Configurator.

Article	Product Group	List Price	Article No.
KNX-GW2-RS232-RS485 (6TE)	WG 1	409,00 €	40220186

Article	Product Group	List Price	Article No.
KNX-GW2-RS485-2TE	WG 1	399,00 €	40210182

Further information about the associated software is available on request.



KNX-SERIAL-GW-II-Configurator



KNX-DMX-GW-II-Configurator

KNX-Gateway M-BUS

Application: KNX bus coupling for counter with M-Bus interface

The M-Bus gateway is a Master for M-Bus Systems according to the DIN EN 13757-2/3. The Master can supply and service up to 3 M-Bus devices. There are 32 M-Bus data points available which can be assigned freely to the different devices.

KNX Readable Data:

For each M-Bus device

- device date
- Secondary Address

Per M-Bus data point (32 data points) as:

- 6-Byte Metering Value
- 4-Byte Float
- 4-Byte unsigned Integer
- Date
- Time



KNX-GW-MBUS-SK10

M-Bus Gateway for up to 3 M-Bus devices

Plastic housing: (72 x 64 x 40) mm
IP54/65

Article	Product Group	List Price	Article No.
KNX-GW-MBUS-SK10	WG 1	195,00 €	60400001



KNX-GW-MBUS-REG

M-Bus Gateway for up to 3 M-Bus devices

DIN Rail mounted housing 2 units width (35 x 90 x 63 mm)
IP20

Article	Product Group	List Price	Article No.
KNX-GW-MBUS-REG	WG 1	199,00 €	60400002



KNX-GW-MBUS-SK08

M-Bus Gateway for up to 3 M-Bus devices

Each M-Bus device with its own Screw-Type Terminal for M-Bus ID independent device identification.

Plastic housing: (115 x 65 x 55) mm
IP54/65

Article	Product Group	List Price	Article No.
KNX-GW-MBUS-SK08	WG 1	219,00 €	60400008

KNX Gateway MODBUS

Application: KNX bus coupling for counters with Modbus/RTU interface

The bus coupler represents a bus master of the Modbus/RTU interface.

A connection can be made via RS485 (maximum 32 subscribers incl. Master) or RS232 (P2P).
This option must be selected upon order and cannot be changed by application.

32 M-Bus data points are available, they can be assigned freely to the different devices.



KNX-GW-MODBUS-SK07-RS485 / -RS232

Modbus gateway for up to 32 data points

Standard Interface RS485
(RS232 can be realized)

SK07 Plastic housing:
50 x 50 x 20 mm, 58mm diagonal
(for in-wall mounting in dry interiors)
IP20

Article	Product Group	List Price	Article No.
KNX-GW-MODBUS-RS485	WG 1	179,00 €	40300007
KNX-GW-MODBUS-RS232	WG 1	185,00 €	40310007



KNX-GW-MODBUS-REG-RS485

Modbus gateway for up to 32 data points

Standard Interface RS485
(RS232 can be realized on request)

DIN Rail mounted housing 2 units width (35 x 90 x 63 mm)
IP20

Article	Product Group	List Price	Article No.
KNX-GW-MODBUS-RS485-REG	WG 1	195,00 €	40300002



KNX-GW-MODBUS-SK10-RS485

Modbus gateway for up to 32 data points

Standard Interface RS485
(RS232 can be realized on request)

DIN Rail mounted housing 2 units width (35 x 90 x 63 mm)
IP20

Article	Product Group	List Price	Article No.
KNX-GW-MODBUS-RS485-REG	WG 1	195,00 €	40300002

KNX Gateway HAN-MODBUS

Application: KNX bus coupling for counters with HAN interface.
The HAN gateway is a slave for the HAN-bus which is similar to the MBUS.

Each used meter needs one gateway and one Gateway can only serve one meter.

In Norway the device is only available from function Products AS (<https://www.function.no/produkter>) and support is only available from them.



KNX-GW-HAN-MODBUS-REG

HAN gateway for one HAN Meter from

- Kaifa
- Kamstrup
- or
- AIDON

DIN Rail mounted housing
2 units width (35 mm)
IP20

1,5 m connection cable to meter included

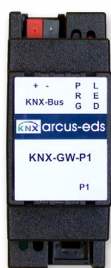
Article	Product Group	List Price	Article No.
KNX-GW-HAN-MODBUS-REG	WG 1	199,00 €	60400012

KNX Gateways HAN-P1

Application: KNX bus coupling for counters with P1 interface
The P1 gateway is a slave for the P1-bus which is similar to the MBUS.

Each used meter needs one gateway and one Gateway can only serve one meter and up to four externally coupled meters.

In Belgium the device is only available from Siconia meter and support is only available from Vecolux.



KNX-GW-HAN-P1-REG

P1 gateway for one P1 Meter from

- Siconia

DIN Rail mounted housing
2 units width (35 mm)
IP20

2,5 m connection cable to meter included

Article	Product Group	List Price	Article No.
KNX-GW-HAN-P1-REG	WG 1	215,00 €	60400013



KNX Smart Metering

KNX Smart Metering

Impulse Counter / In Home Water Meter / Heat Quantity Meter

arcus-eds

Content

Impulse Counter



KNX-IMPZ1-SK10



KNX-IMPZ1-REG



KNX-IMPZ2-SK10



KNX-IMPZ2-REG

In Home Water Meter



KNX-IMPZ_WZ-M

Heat Meter



Dialog WZ SensoStar E

G

Smart
Metering

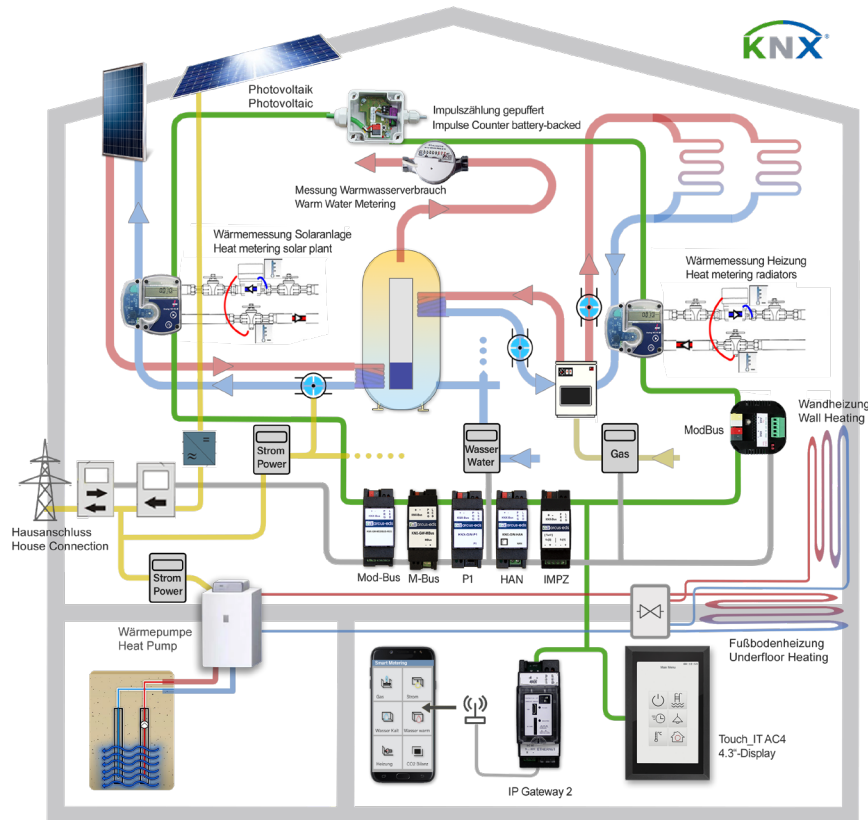
Gateways Smart Metering



Our Smart Metering Gateways MBUS | MODBUS | P1 | HAN you find in [Section F Gateways](#)



Smart Metering



Impulse Counter IMPZ

This impulse counting modules with battery backed up memory and KNX coupling unit are designed for universal monitoring of consumption values in the KNX bus. The impulse counting module is available in an outdoor / damp room compliant IP54/65 plastic housing or as DIN Rail mounted device. The internal lithium backup battery enables the functionality without KNX bus connection for over 5 years

Meters with potential free impulse outputs (S0, relay, reed-switch) can be connected to the KNX-Bus independent of their medium. This measurement concept allows retrofitting smart metering into old installations.

The KNX-IMPZ2 contains two independent counters which can be used for different meters or even different media. Furthermore the two inputs can act as one meter with two tariffs, switching between the tariffs is done by the second input or via KNX.

In Home Water Meter WZ-M

The in home water meter is a package of the calibrated water meter „WZ-M“ from NZR and the impulse counting unit SK01-IMPZ1 by Arcus-EDS GmbH.

The internal lithium back up battery enables the functionality without KNX bus connection for over 5 years.

Heat Quantity Meter Dialog SensoStar E

The heat meter consists of a calibrated meter from Engelmann, type "SensoStar E," and an M-Bus gateway KNX-GW-MBUS-SK01 with integrated bus coupler from Arcus-EDS GmbH.

All meters are MID approved and delivered calibrated.

The electronic counter has an internal lithium battery with a lifespan of 6 years and 1 year of backup power.

Impulse Counting Module KNX-IMPZ

Application: Integration of consumption meters with impulse outputs into the KNX bus.

The counting unit is designed to be used with a S0-Interface (according EN 43864) but can also be used with other impulse outputs with a potential free contact.

KNX Readable Data:

- Serial number
- Accumulated consumption m³
- Current flow rate m³
- Time
- Date
- Consumption value
- Last reference value
- Last reference date
- Next reference date
- Consumption Reset
- Consumption last reset time
- Consumption last reset date



KNX-IMPZ1-SK10

1 Channel S0 counter module
Plastic housing: (72 x 64 x 40) mm
IP54/65

Article	Product Group	List Price	Article No.
KNX-IMPZ1-SK01	WG 1	175,00 €	60201101



KNX-IMPZ1-REG

DIN Rail mounted housing
2 units width (35 mm)
IP20

Article	Product Group	List Price	Article No.
KNX-IMPZ1-REG	WG 1	179,00 €	60201102



KNX-IMPZ2-SK10

2 Channel S0 counter module
Plastic housing: (72 x 64 x 40) mm
IP54/65

Article	Product Group	List Price	Article No.
KNX-IMPZ1-SK01	WG 1	199,00 €	60201201



KNX-IMPZ2-REG

2 Channel S0 counter module
DIN Rail mounted housing
2 units width (35 mm)
IP20

Article	Product Group	List Price	Article No.
KNX-IMPZ2-REG	WG 1	215,00 €	60201202

In Home Water Meter Modularis WZ-M



- KNX Readable Data:
- Serial number
 - Accumulated volume in l or m³
 - Current flow rate in l or m³/unit of time
 - Current time
 - Current date
 - Last reference date
 - Last reference value
 - Next reference date
 - Consumption value
 - Consumption Reset
 - Consumption last reset date
 - Consumption last reset time

- Connection box:
- Plastic housing (72 x 64 x 40) mm

Protection class: IP54/65

WZ-M Technical Data		Remarks	List Price	Article No.
Nominal width (DN) Nominal flow Connection external thread - meter Connection external thread - thread Length	15 1.5 m³/h 3/4 " 1/2 " 80 mm	WZK-M cold 30°C	235,00 €	60201-75124015
		WZW-M warm 90°C	235,00 €	60201-75124515
Nominal width (DN) Nominal flow Connection external thread - meter Connection external thread - thread Length	15 1.5 m³/h 3/4 " 1/2 " 110 mm	WZK-M cold 30°C	245,00 €	60201-75124115
		WZW-M warm 90°C	245,00 €	60201-75124615
Nominal width (DN) Nominal flow Connection external thread - meter Connection external thread - thread Length	20 2,5 m³/h 1 " 3/4 " 130 mm	WZK-M cold 30°C	239,00 €	60201-75124025
		WZW-M warm 90°C	239,00 €	60201-75124525



Technical data and companion dimensions are available at NZR. www.nzr.de
The second part of our article no. equals the the NZR-article no.

All meters of the series WZ-M are equipped with an internal Impulse module,
they are MID approved and calibrated.

KNX-Heatmeter Dialog SensoStarE
with SK10 M-Bus Module



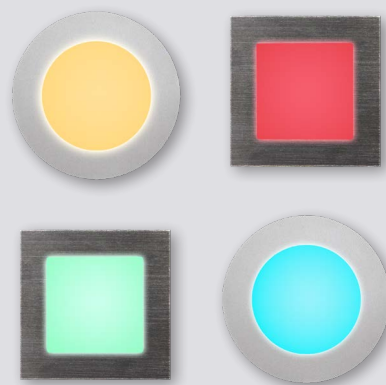
KNX Readable Data:

- Energy
- Volume
- Power
- Flow rate
- Flow temperature
- Return temperature
- Temperature difference
- Date / Time
- Operational time

Temperature range: 0 .. 150°C
Temperature difference: 0 .. 100 K

Arithmetic unit: IP54
KNX module: IP54/65

KNX Heat Quantity Meter Dialog WZ-R5.M		Temperature Probe	List Price	Article No.
Nominal diameter (DN)	15	PT1000 2-wire technology Cable length: 1.5m direct measuring	335,00 €	6041-85223106
Minimum flow	0.6 m³/h			
Connection AG meter	3/4 "			
Connection AG thread	1/2 "			
Length	110mm			
Nominal diameter (DN)	15	PT1000 2-wire technology Cable length: 1.5m direct measuring	335,00 €	6041-85223115
Minimum flow	1.5 m³/h			
Connection AG meter	3/4 "			
Connection AG thread	1/2 "			
Length	110mm			
Nominal diameter (DN)	20	PT1000 2-wire technology Cable length: 1.5m direct measuring	345,00 €	6041-85223125
Minimum flow	2.5 m³/h			
Connection AG meter	1 "			
Connection AG thread	3/4 "			
Length	130mm			



KNX-LED-Driver-Unit



KNX-LED-Driver Unit

LED4

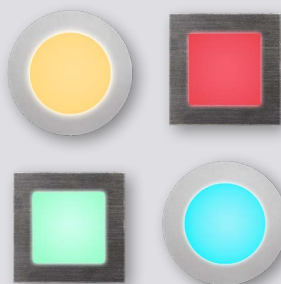


KNX-LED4-ARE-H
KNX-LED4-ARB-H



KNX-LED4-AQS
KNX-LED4-AQS

LED 4 - RGB | Amber



KNX-LED4 different light colours, square and round style (half bulb) variants

Flat wall light with light in a wide range of colours, illuminated sign

KNX LED4 is an RGB(A) LED lamp controlled via KNX Bus.

The light colour for warning or information signaling can be selected via the KNX bus.

This opens up the possibility of professional access control to conference rooms, switch rooms, treatment rooms or hotel rooms.

Luminous flux: 150 lm
 Connection power: 3 W
 Luminous colour: RGB + amber

- fixed selectable saturated colours or 16 Million adjustable colours
- auxiliary voltage 24 - 32VDC required
- adjusting via complex KNX-application



KNX-LED4 - half bulb

Article		Product Group	List Price	Article No.
KNX-LED4-ARE-H	Aluminium anodized	WG 1	309,00 €	41040243
KNX-LED4-ARB-H	Aluminium black anodized			41040244



KNX-LED4 - square flat

Article		Product Group	List Price	Article No.
KNX-LED4-AQS	Aluminium anodized	WG 1	309,00 €	41040223
KNX-LED4-AQB	Aluminium black anodized			41040224

KNX-LED-Driver Unit

LED driver for controlling RGB and dual white LED lights or strips.
 Colour temperature adjustable, dimmable
 2 binary contacts

Total power: 12VDC / 25W oder 24VDC / 50W

IP20, standard flush mounting (60/68 mm)



Article	Product Group	List Price	Article No.
KNX-LED-Driver Unit	WG 1	169,00 €	41040070



IP / LAN



KNX-GW2-IP-2TE

Arcus-iButton



KNX-iButton-SK07



KNX-iButton-SK08

Choke



KNX-Drossel-DR16

GPS



SK10L-GPS-SC-L

KNX System Devices

KNX Choke / Timer / Astronomic Clock / Access Control

Central IP-Gateway with Visualization / Data Logger / Programming / Script Processing / Timer Control

SENSOR SYSTEM HLK 305

RTR
Temperature
Air Humidity
CO₂
VOC
Brightness

SPECIAL SENSORS

Soil Moisture
Water Quality
Level Sensor System
Global Radiation

SMART METERING

Heat Quantity
Impulse Counter
M-Bus
Modbus
HAN

VENTILATION / HEATING

Valve Control
Ventilation Control
LUNOS

LIGHTING

LED Driver
LED Light

DMX Gateway

MULTIMEDIA

RS232
RS485
Gateway

Arcus-iBUTTON

SK08 SK07

VISUALIZATION

Visualization & Control
3.5" / 4.3" Display Touch_IT

GPS

KNX Choke

IP-Gateway 2

KNXnet / IP-Routing Busmonitor KNX Telegram Logger exclusive µ-SD-Card Arcus-IP-VISU

KNX-IP-Gateway 2



KNX-GW2-IP-2TE

IP-Gateway 2 to link the ETS (PC software tool) to the KNX bus.

Description:

- 16 KNXnet / IP Tunnel
- KNXnet/IP Routing
- Busmonitor
- No ETS application required
- Configuration via web browser
- Group monitor in web browser
- Local Group Cache
- Extensive KNX telegram logger
- Logs all group addresses on the bus
- Graph view in web browser
- CSV export
- NTP-client and KNX timeserver function
- Up to 32 Events for scripts
- Events triggered by time of day or telegrams
- 256 timers configurable in groups
- Messenger client for notifications over XMPP (Jabber)
- Email notifications
- Framework for HTTP-requests
- HTML-Visualization
- OpenVPN supported
- Node-RED preinstalled
- MQTT Server preinstalled
- 4 Kernels, 1GHz each
- 4 GByte internal memory for data storage
- 1 GByte RAM
- µ-SD-Card slot for memory extension (exclusive SD-Card)
- USB-Ports for Configuration and extensions (special drivers on request)
- Additional Power 9..32V needed
- KNX bus connection <=10mA

Security:

- SSH/SFTP ssl-encrypted
- Different passwords for different functions
- Security switch to deactivate different functions (configurable)

Open system:

- Data transfer over sftp
- Console over ssl

KNX-GW2-IP-2TE

Operating temperature: -25 .. +55 °C

DIN Rail mounted housing 2 units width (35 x 90 x 63 mm)

IP20

Article	Product Group	List Price	Article No.
KNX-GW2-IP-2TE	WG 1	445,00€	40400003



Further information about the associated extension software updates Arcus-IP-VISU and Access-Control is available on request.



Arcus-IP-VISU



Access-Control

System
Devices

Arcus-iButton-KNX

KNX-based Presence and Access Control



KNX-iButton-SK07



KNX-iButton-SK08



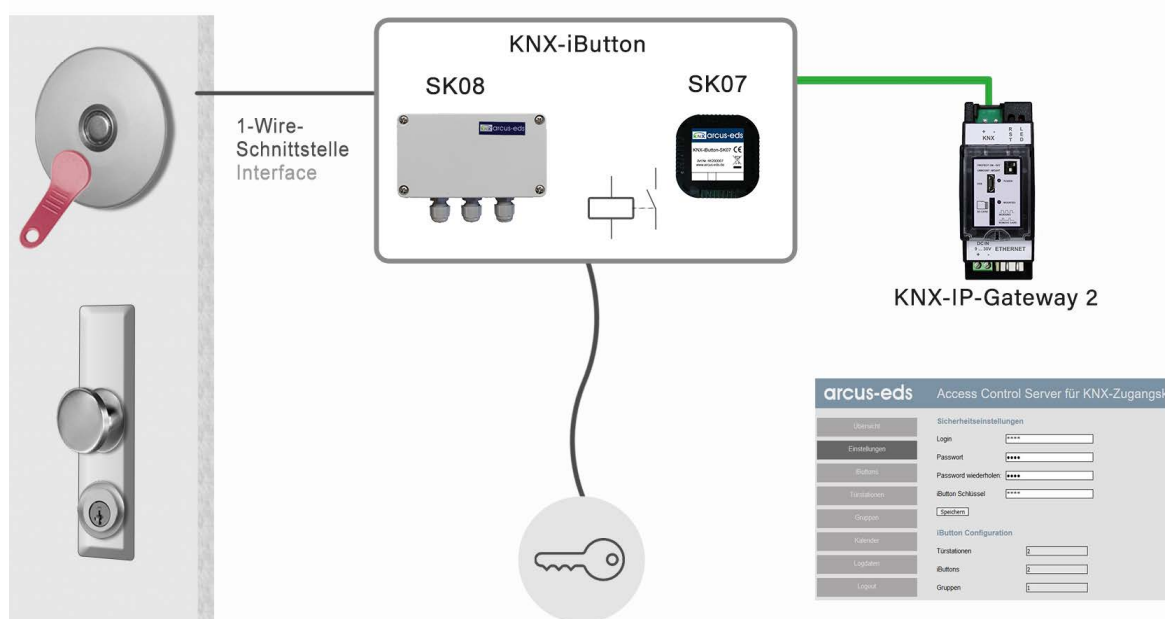
Accessory not included in delivery

Short Description:

- iButton® Door Station (Terminal) for use with Arcus-EDS Access Server
- For all iButton® with internal serial numbers
- Supports SHA256 iButtons with challenge-response handshake
- Communication with Access Server with strong encryption
- Requires an Arcus-EDS Access server for key management
- Access server manages up to 63 door stations, 256 keys and 256 groups
- Access server with access log
- Access server with (S) FTP client for external storage of access logs
- For systems with medium and low safety requirements
- Relay output for door opening
- For any contacting devices and iButton®
- Connection for illuminated iButton contacts (Bicolour red / green with KK, KA or anti-parallel connection)
- Connection for piezo signal transmitter (3V)
- No external supply voltage required
- Programming and setup via the ETS
- IP65 (SK08) or IP20 (SK07) available
- Temperature range -5 .. +40°C / Humidity 5..95% RH non-condensing
- KNX bus connection <= 10mA

Applications:

- Presence control
- Personalized control
- Access control in installations without high security requirements





KNX-iButton-SK07

KNX-iButton SK07

Operating temperature: 0 .. +70 °C
Operating humidity (KNX module): 0 .. 95% r.H non-condensing

Relay output: 2x opener / closer

30 VDC, 2A
110 VDC, 0.3 A
125 VAC, 0.5 A

plastic, black

Measurements Housing: 50 x 50 x 20 mm, 58mm diagonal
(for in-wall mounting in dry interiors)

IP20

Article	Product Group	List Price	Article No.
KNX-iButton-SK07	WG 1	350,00 €	66200007



KNX-iButton-SK08

KNX-iButton SK08

Operating temperature: 0 .. +70 °C
Operating humidity (KNX module): 0 .. 95% r.H non-condensing

Relay output: 2x opener / closer

30 VDC, 2A
110 VDC, 0.3 A
125 VAC, 0.5 A

Plastic, white

On-Wall

Measurements Housing: 115 x 65 x 55 mm

IP20

Article	Product Group	List Price	Article No.
KNX-iButton-SK08	WG 1	365,00 €	66200008



Further information about the associated extension software update Access-Control on request.



Access-Control



KNX-Drossel-DR16 (Choke)

Choke to decouple the KNX bus from the supply voltage.

Rated voltage: 32 VDC
Rated current: 1600 mA
Operating temperature: -25 .. +55 °C

DIN Rail mounted housing
2 units width (35 mm)

IP20

Article	Product Group	List Price	Article No.
KNX-Drossel-DR16	WG 1	95,00 €	66000016



SK10L-GPS-SC-L

Universal timer in the KNX bus
Daily and weekly time switching clock
Brightness and temperature sensor
Time of sunset
GPS coordinates

Operating temperature: -25 .. +55 °C
Measured temperature range -25 .. +55 °C
Measured brightness range: 3 .. 220.000 lux ± 20%
Plastic housing: (72 x 64 x 44) mm

The unit is mounted outdoors in the shade but with good view of the sky.

IP54/65

Article	Product Group	List Price	Article No.
SK10L-GPS-SC-L	WG 1	309,00 €	66100001



HVAC - Components



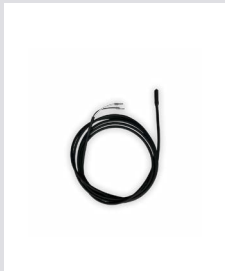
SK30-PT1000
white / anthracite



OFTF PT1000



HTF PT1000



GTF PT1000 TPE



ALTF1 PT1000



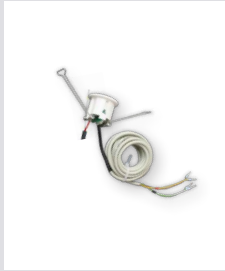
ALTF2 PT1000



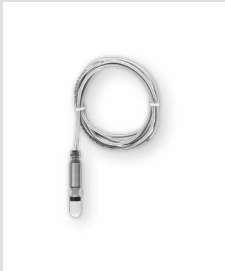
ATF2 PT1000



ESTF PT1000



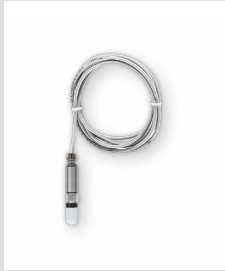
DTF PT1000 /
DFF (Sensirion)



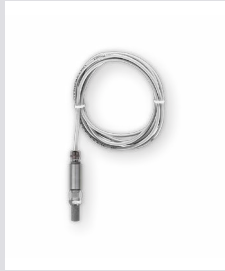
RPTF1 PT1000



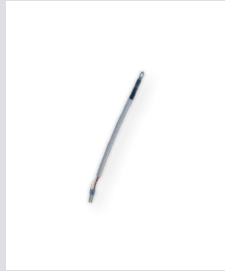
RPTF2 PT1000



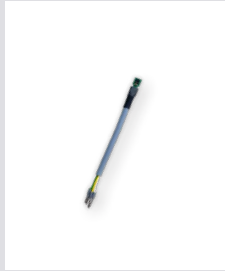
RPFF
(Sensirion)



RPFF-MMF
(Sensirion)



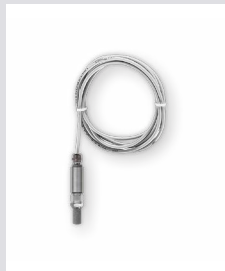
PT1000-SK07



HTU21-SK07



TH-CO2-RPFF



TH-CO2-RPFF-MMF

In-Wall Mounted Probes PT1000 IP20

Temperature probe PT1000 with screw-in clamps

Mounted on in-wall pattress (60/68 mm)
Compatible with switching systems (e.g. Gira, Merten) in standard 55 mm.

Measured temperature range: -25 .. +55 °C

Indoor use only
IP20



Article	Product Group	List Price	Article No.
SK30-PT1000 white	WG 9	29,70 €	90101301
SK30-PT1000 anthracite	WG 9	29,70 €	90101302

Feed / Surface Mounted Probe PT1000 IP54/65

Feed temperature / surface probe

Measured temperature range: -30 .. +105 °C
Connecting cable: PVC 1.5 m

IP54/65



Article	Product Group	List Price	Article No.
OFTF PT1000 PVC	WG 9	22,90 €	90100001

Sleeve Probe PT1000 IP54/65

Article	Article description	Product Group	List Price	Article No.
HTF PT1000 PVC	Measured temperature range: -35 .. +105 °C Connecting cable: PVC 1.5 m IP54/65	WG 9	13,00 €	90100002
HTF PT1000 Silicone	Measured temperature range: -50 .. +180 °C Connecting cable: Silicone 1.5 m IP54/65	WG 9	18,50 €	90100003
HTF PT1000 PTFE	Measured temperature range: -50 .. +250 °C Connecting cable: PTFE 1.5 m IP68	WG 9	34,00 €	90100055



TPE Temperature Sensor PT1000 IP68

waterproof, salt water resistant
PT1000
Measuring Range Temperature: -40 .. 105 °C

Cable Length: 2 m
IP68



Article	Product Group	List Price	Article No.
GTF PT1000 TPE	WG 9	36,00 €	90100057



Pipe Feed Probe PT1000 IP54/65

Article	Article description	Product Group	List Price	Article No.
ALTF1 PT1000 PVC	Feed temperature / pipe feed probe Measured temperature range: -35 .. +105 °C Connecting cable: PVC 1.5 m	WG 9	16,00 €	90100004
ALTF1 PT1000 Silicone	Feed temperature / pipe feed probe Measured temperature range: -35 .. +180 °C Connecting cable: Silicone 1.5 m	WG 9	16,50 €	90100005



Article	Article description	Product Group	List Price	Article No.
ALTF2 PT1000	Feed temperature / pipe feed probe in plastic housing with contacting probe (PT1000) on the rear side of the terminal box. Measured temperature range: -30 .. +110 °C	WG 9	19,90 €	90100006



Outdoor / Damp Room Temperature Probe PT1000 IP54/65

Outdoor / damp room temperature probe in plastic housing (PT1000)

Operating range: -30 .. +90 °C

Article	Product Group	List Price	Article No.
ATF2 PT1000	WG 9	31,50 €	90100007



Screw-In Temperature Probe PT1000 IP54/65

Article	Article description	Product Group	List Price	Article No.
ESTF PT1000-50 PVC	G 1/2" 50 mm V4A Operating range: -35 .. +105°C Connecting cable: PVC 1.5 m	WG 9	29,50 €	90100008
ESTF PT1000-100 PVC	G 1/2" 100 mm V4A Operating range: -35 .. +105 °C Connecting cable: PVC 1.5 m	WG 9	29,90 €	90100009
ESTF PT1000-50 Silicone	G 1/2" 50 mm V4A Operating range: -50 .. +180 °C Connecting cable: Silicone 1.5 m	WG 9	32,00 €	90100010
ESTF PT1000-100 Silicone	G 1/2" 100 mm V4A Operating range: -50 .. +180 °C Connecting cable: Silicone 1.5 m	WG 9	33,00 €	90100011



Ceiling Mounted Temperature Probe PT1000

Ceiling Mounted Temperature Probe

Measured temperature range: -20 .. +90 °C
Connecting cable: ca. 2 m

IP30

Article	Product Group	List Price	Article No.
DTF PT1000	WG 9	32,00 €	90100012



Pendulum Room Probe for Temperature PT1000

Pendulum room probe for temperature PT1000
in protecting tube

Probe: 90 mm
Operating range: -5 .. +60 °C
Connecting cable: PVC 1.5 m

Article	Product Group	List Price	Article No.
RPTF1 PT1000	WG 9	48,50 €	90100050



Pendulum Room Probe for Temperature PT1000

Pendulum room probe for temperature PT1000 in black plastic sphere (Ø 50 mm) for the
acquisition of the temperature caused by radiant heat.

Operating range: -5 .. +60 °C
Connecting cable: PVC 1.5 m

Article	Product Group	List Price	Article No.
RPTF2 PT1000	WG 9	53,50 €	90100051



Pendulum Room Probe for Temperature and Humidity

Pendulum room temperature / humidity probe with plastic sinter filter

Probe: 90 mm
Measured temperature range: -30 .. +80 °C
Measured humidity range: 0 .. 100% r.H.
Connecting cable: PVC 2 m

Article	Product Group	List Price	Article No.
RPFF (Sensirion)	WG 9	79,00 €	90100054



Pendulum Room Probe for Temperature and Humidity (Condensation Proof)

Pendulum room humidity / temperature probe with metal membrane filter (condensation proof)

Probe: 90 mm
Measured temperature range: -30 .. +80 °C
Measured humidity range: 0 .. 100% r.H.
Connecting cable: PVC 2 m

Article	Product Group	List Price	Article No.
RPFF-MMF (Sensirion)	WG 9	99,00 €	90100056



Pendulum Room Probe for Temperature / Humidity / CO2

Pendulum room temperature / humidity probe with plastic sinter filter

Probe: 120 mm
Measured temperature range: -25 .. +80°C
Measured humidity range: 0 .. 100% r.H.
Messbereich CO2: 0 .. 40000 ppm
Connecting cable: PVC 2 m

Article	Product Group	List Price	Article No.
TH-CO2-RPFF	WG 9	208,00 €	90100054



Pendulum Room Probe for Temperature / Humidity (Condensation Proof) / CO2

Pendulum room humidity / temperature probe with metal membrane filter (condensation proof)

Probe: 120 mm
Measured temperature range: -25 .. +80°C
Measured humidity range: 0 .. 100% r.H.
Messbereich CO2: 0 .. 40000 ppm
Connecting cable: PVC 2 m

Article	Product Group	List Price	Article No.
TH-CO2-RPFF-MMF	WG 9	215,00 €	90100056



Ceiling Mounted Humidity Probe PT1000

Ceiling Mounted Humidity Probe

Measured temperature range: -20 .. +80 °C
 Measured humidity range: 0 .. 100% r.H.
 Connecting cable: ca. 2 m
 IP30

Article	Product Group	List Price	Article No.
DFF (Sensirion)	WG 9	74,00 €	90100016



Temp-probe PT1000, assembled for SK07

Measured temperature range: -50 .. +150 °C
 Connecting cable: PVC 10 cm

Article	Product Group	List Price	Article No.
PT1000-SK07	WG 9	19,00 €	99101071



Temp-Humid probe, assembled for SK07

Measured temperature range: -25 .. +80 °C
 Measured humidity range: 0 .. 100% r.H.
 Connecting cable: PVC 12 cm

Article	Product Group	List Price	Article No.
HTU21-SK07	WG 1	34,00 €	99121071

Fill Level Components



SK80-F-E-15/-30/-40



U-5

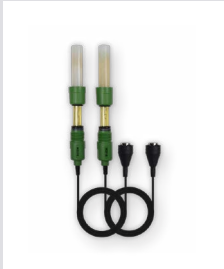


PM-5 / T-PM-5 /
T-PM-10



T-PMO-5 / T-PMO-10

Water Quality



WAQ

Soil Moisture



WMT

Global Radiation



BGT-SR1-Z



Extension Cable for SK80-F and SK80-FN

15 m / 30 m / 40 m length

Article	Product Group	List Price	Article No.
SK80-F-E-15	WG 9	75,00 €	90800015
SK80-F-E-30	WG 9	117,00 €	90800030
SK80-F-E-40	WG 9	147,00 €	90800040



Ultrasonic Sensor for SK80-F and SK80-FN

Measuring range / accuracy:
0,3 .. 5m / 0,5% FS
Cable Length: 10 m
Dimensions: DxL 68x80 mm
IP65

Article	Product Group	List Price	Article No.
U-5	WG 9	171,00 €	90800105



Hydrostatic Sensor for SK80-F and SK80-FN (Water)

Dimensions sensor head: DxL 30 x 120 mm
IP68

Article		Product Group	List Price	Article No.
PM-5	Measuring Range: 5 m Accuracy: 0,5% FS Cable Length: 10 m	WG 9	137,00 €	90200205
T-PM-5 (Temperature Detection)	Measuring Range: 5 m Accuracy: 0,5% FS Cable Length: 10 m	WG 9	194,00 €	90800305
T-PM-10 (Temperature Detection)	Measuring Range 10 m Accuracy: 0,5% FS Cable Length: 15 m	WG 9	218,00 €	90800310



Hydrostatic Sensor for SK80-F and SK80-FN (Heating Oil)

Dimensions sensor headf: DxL 27 x 132 mm
IP68

Article		Product Group	List Price	Article No.
T-PMO-5 (Temperature Detection)	Measuring Range: 5 m Accuracy: 0,5% FS Cable Length: 10 m	WG 9	218,00 €	90800370
T-PMO-10 (Temperature Detection)	Measuring Range: 10 m Accuracy: 0,5% FS Cable Length: 15 m	WG 9	228,00 €	90800380



Water Quality Probe pH and ORP for WAQ
Standard Measuring Electrode Units pH & ORP for SK80-WAQ

Article	Product Group	List Price	Article No.
WAQ Probe Set single-rod measuring cells	WG 9	225,00 €	91110020



Soil Moisture Probe Watermark® WMT

Article	Product Group	List Price	Article No.
WMT Watermark® - Soil Moisture Probe with Temperature Probe incl. connection cable (5 m) orderable until 50 m	WG 9	135,00 €	91100000



Global Radiation Probe for GLBS

Article	Product Group	List Price	Article No.
BGT-SR1-Z Global radiation probe for SK08-GLBS	WG 9	220,00 €	90304011

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June 2025

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