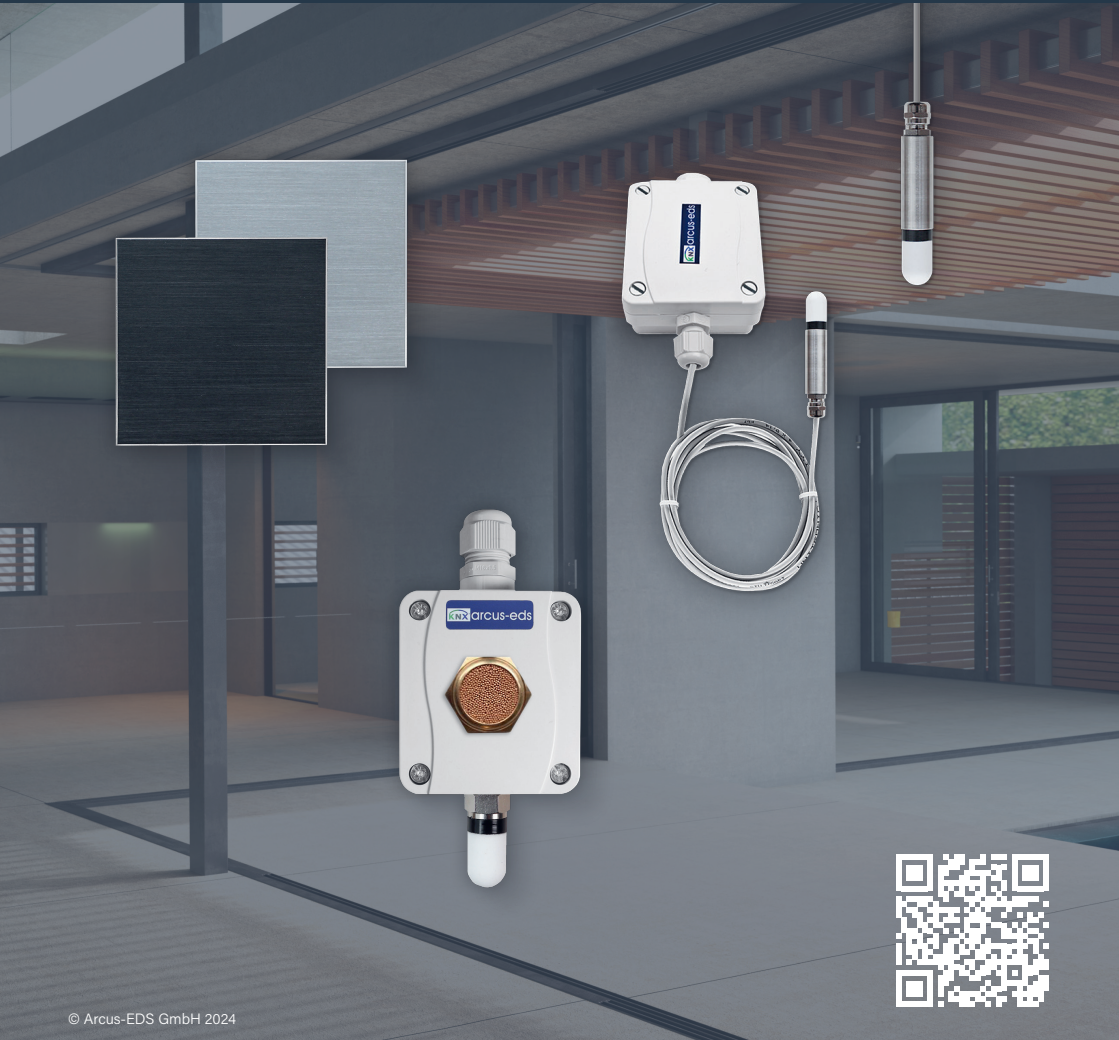


HVAC Sensors

KNX Components

Temperature | RTR | CO₂ | VOC | Brightness



HVAC

Temperature Humidity Climate Sensors

Application HLK 305 Functions

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

Measured Values

- Air temperature also weighted with external temperature
- Relative humidity
- 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 frostalarm
- Limits for temperature

Control Functions

- Control functions for heating and cooling applications
- 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-PB front)
- Rotary Controller instead of Push Buttons (SK30-R 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)

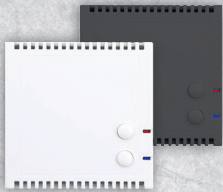
Logic

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

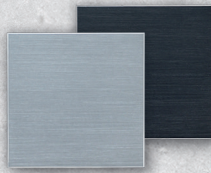


IP 20 Indoors

Sensor system with various designs for in wall and on wall installation



SK30



NEO



SK07



SK20

TC
THC
TTHC

Temperature
Humidity
Climate
2nd Temperature

IP 54

Outdoors | Damp Room

Sensor system for various applications in the SK10 housing

Temperature | Humidity

CO₂ | VOC



Duct Sensor

Brightness LUX



CO₂
VOC
LUX

Find many more sensors for various applications on our website www.arcus-eds.de/climatesensors.

TC

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)

+

CO₂

VOC

LUX

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

THC

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

+

CO₂

VOC

LUX

Control Functions / Control and Report / Logic

Application HLK 305 complete

TTHC

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)

+

CO₂

VOC

LUX

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