Product Sheet SK10-TC-ATF2

SK10-THC-ATF2
Item No.: **30511007**

Surface-mounted / IP65

Device Description

The KNX sensor SK10-TC-ATF2 is used for measuring and controlling the indoor air temperature

- Air temperature (sensor on the housing) also weighted with external temperature
- Control functions for heating and cooling applications (also combinable)
- Setpoint temperatures for Comfort, Standby, Economy, and Protection mode, selectable via KNX HVAC objects
- Setpoint change via objects
- Recording of minimum and maximum temperature
- Heat and frost alarm
- Limits for temperatures
- Fan control via external inputs
- Follow-up functions for setpoint and limit temperatures
- Controller output 0..100% or parameterizable PWM for thermal actuators
- Valve flushing function
- Second temperature controller as auxiliary controller

Four logic blocks for logical linking of internal and external signals.

- 10 associated logic inputs/outputs
- Heating and cooling demand additionally available as a signal
- Functions "AND, OR, NOT, XOR" for binary logic
- Functions "+ - *" for 8-bit values
- Function '=' for conditional forwarding of events

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Technical Data

SK10-TC-ATF2	
Measured value temperature	Temperature
Control	Integrated
Sensor	PT1000
Temperature measuring range	-50 .. +90°C
Resolution	0.02°C
Accuracy	Class B, ±(0.3°C+0.005*T)
Operating voltage	KNX bus voltage 21 .. 32VDC
Power consumption	Approx. 240mW (at 24VDC)
Ambient temperature	KNX module operation: -25 .. +80°C
Storage	-25 .. +80°C
Ambient humidity	KNX module 0 .. 100% r.H non-condensing
Bus coupler	Integrated
Auxiliary voltage	Not required
Commissioning with ETS	From version 4 HLK305
Connections	KNX 2-pin terminal (red/black)
Protection class	IP54/65
KNX module housing	Plastic
Dimensions KNX module housing	(72 x 64 x 40) mm
Item number	30511007

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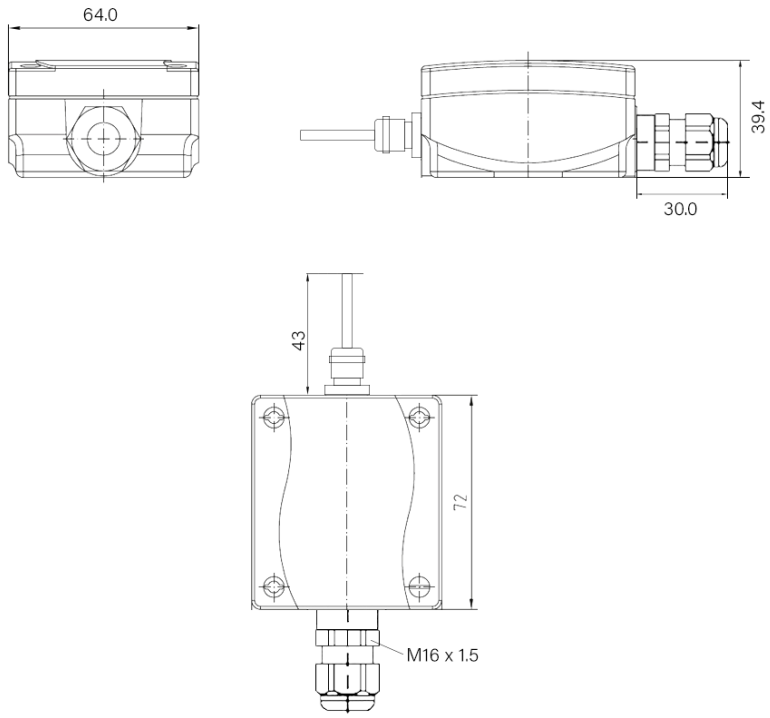
Dimensions



Behavior on Bus Voltage Return

All changes made via the KNX bus are retained if the device is parameterized accordingly. The measurement and controller values start with their current values (with PI controllers with an integral part of 0). When using weighted temperature mixing, the external temperature weighting is set to 0% until an external temperature value is received. The ETS parameter settings remain retained.

Delete Program and Reset Sensor

To delete the programming (projecting) or reset the module to the delivery state, it must be disconnected from the power supply (disconnect the KNX bus voltage).
Press and hold the programming button while reconnecting the KNX bus voltage and wait until the programming LED lights up (approx. 1-2 seconds). You can then release the programming button and the module is ready for a new project.
If you release the programming button too early, repeat the procedure.

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Liability

The selection of the devices and the determination of the suitability of the devices for a particular purpose are solely the responsibility of the buyer. No liability or warranty is assumed for this. The information in the catalogs and data sheets does not constitute a guarantee of specific properties but results from experience and measurements. Liability for damages caused by incorrect operation/projecting or malfunctions of the devices is excluded. Rather, the operator/projector must ensure that incorrect operations, incorrect projections, and malfunctions do not cause further damage.

Safety Regulations

Caution! Installation and mounting of electrical devices may only be carried out by an electrician. Compliance with the relevant safety regulations of the VDE, the TÜV, and the responsible power supply companies must be ensured by the buyer/operator of the system. No warranty is assumed for defects and damages caused by improper use of the devices or by non-observance of the operating instructions.

Warranty

We provide a warranty within the framework of the statutory provisions. Please contact us in the event of a malfunction and send the device with a description of the error to our company address below.

Manufacturer

Arcus-EDS Gmbh
Rigaer Str. 88
10247 Berlin

Disposal

The symbol of the crossed-out trash can on the device or the packaging means that the product must not be disposed of with other general waste at the end of its useful life.

Registered Trademarks

The CE mark is a free movement mark that is exclusively aimed at the authorities and does not include an assurance of properties.

Registered trademark of the Konnex Association

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