

ARC TFK



SK01 SK02 SK03 AE

T Temperature
 TFK Temperature Humidity
 TTFK 2 x Temperature Humidity

Designed for the measurement and control of temperature and humidity in indoor and outdoor spaces.

NEU HLK 305



SK10 SK10L SK07 SK30

TC Temperature CO2
 THC Temperature Humidity + VOC
 TTHC 2 x Temperature Humidity LUX

Enlargement of the controller functionality to automatic heating and cooling functions as well as heat protection . Additional measurements of air quality (indoor) or illuminance (indoor/outdoor) and 4 logic blocks, fan control , potential-free contacts and Push buttons.

		ARC TFK	HLK305
Application software			
		ETS-Application (vd2)	ETS4-Application (knxprod)
		ARC_TFK.zip	HLK305-v2-1.zip
General			
	Start delay	-	5s – 2h
Primary temperature sensor / controller			
	Minimum / Maximum	send / do not send	sending cyclically and / or by change
	Inputs	fixed	input selection for primary temperature measurement
	Average temperature	-	weighted mix 0..100%
	Temperature protection	frost protection	heat and frost protection
	Limit value range	0°C to 100°C	-40°C to 400°C
	Heating / Cooling	heating or cooling common output	heating and / or cooling separate or common output
	Heating / Cooling turnover	manual setting	automatically or manual setting
	Enable / Disable	only Disable	parameterizable
	Setpoint change	increase / decrease or RTC	increase / decrease and RTC at the same time
	Control characteristic	symmetric	symmetric / asymmetric
	LED indication	-	setpoint +/-, comfort mode, depending on brightness heating / cooling
	Output transmission cycle	fixed	only by change / cyclically 5s..24h
	Limit distance	0	parameterizable 0..50%
	Setpoint adjustment	setpoint tracing object	dynamic up/down, setpoint tracing object
	Valve flush	-	All 1-12 weeks for 0,5 -10 minutes
Secondary temperature sensor / controller			
	Inputs	-	input selection for secondary temperature measurement
	Limit value range	0°C to 100°C	-40°C to 400°C
	Controller type	2 - point controller	2 - point controller, P controller
	Output transmission cycle	fixed	only by change / cyclically 5s..24h

		ARC TFK	HLK305
	Enable / Disable	-	parameterizable
Humidity sensor / controller			
	Limit value range	5 - 99 %	0 - 100 %
	Output transmission cycle	Fixed	only by change / cyclically 5s..24h
	Controller type	2-point controller	2-point controller, P controller
	Enable / Disable	-	parameterizable
Additional functions			
	Comfort zone	calculated internally	-
CO2 Sensor with limits			
	Measurement	-	air quality measurement
	Limits	-	min / max values
Brightness sensor			
	Measurement	-	brightness measurement
	Limits	-	min / max values
Fan control			
		-	fan control by external input (object) 0 - 100 %
		-	setpoint humidity / CO2
		-	fan control overwriteable by objects
		-	4 different fan speeds adjustable
Potential-free contact			
	Contacts	-	4 (6) contacts
		-	grouped / individual
		-	button / switch (opener and closer)
		-	dimmer
		-	roller blind
		-	blinds
Logic			
	Logic blocks	-	4
	Outputs	-	4 (1Bit or 8Bit)
	Inputs	-	6
	Input objects	-	10
	Functions	-	logical functions, gate function