



2-point controllers and sensors

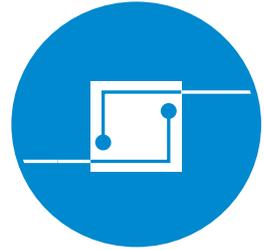
Product range

 **SAUTER**
Creating Sustainable Environments.

Thermostats



Type designation	TSHK 621...643	TSHK 670...672	TSHK 681...682
Application			
2-pipe system	•	–	•
4-pipe system	•	•	•
Heating/cooling	•	•	•
Function			
C/O	–	–	•
Changeover switch for heating/cooling	•	•	•
Fan	3 speeds	3 speeds	3 speeds
External sensor	–	–	•
LCD display	–	–	•
Output signal			
Switching 230 V	•	•	•
Switching 24 V	–	–	–
Additional information			



Universal thermostats/ frost monitors



Type designation	TUC	TFL 201	TFL 611
Place of installation			
Pipe	•	–	–
Duct	•	•	•
Function			
Monitor	•	•	•
Limiter	•	•	–
Display	–	–	•
Safety function	•	–	–
Certification			
EN 14597	•	–	–
PED 2014/68/EU	•	–	–
Output signal			
Active	–	–	•
Switching 230 V	•	•	•
Switching 24 V	•	•	•
Measuring element			
Temperature	•	–	–
Frost	–	•	•
Additional information			

Humidistats



Type designation	HSC 120	HSC 101	HBC
Place of installation			
Pipe/duct	–	–	•
Room	•	–	–
Design			
Surface-mounted	•	–	–
Recessed	–	–	–
Built-in/rod	–	•	•
Clamp-on temperature sensor	–	–	–
Setpoint adjusters	•	•	•
Output signal			
Active	–	–	–
Switching	•	•	•
Variable			
Temperature	–	–	–
Relative humidity	•	•	•
Enthalpy	–	–	–
Dew point	–	–	–
Additional information			

Pressure switches



Type designation	DSA	DSB	DSF	DSL	DSH	DFC 17B	DFC 27B	DSD	DDL
Function									
Pressure monitor	•	•	•	–	–	•	•	–	–
Pressure limiter for increasing pressure	–	–	–	–	•	(•)	(•)	–	–
Pressure limiter for decreasing pressure	–	–	–	–	–	(•)	(•)	–	–
Differential-pressure switch	–	–	–	–	–	–	–	•	•
Switching difference fixed	•	–	–	•	–	–	–	•	•
Switching difference adjustable	–	•	•	–	–	•	•	–	–
Aggressive media	–	–	•	–	•	–	•	–	–
Certification									
VdTUV 100	–	•	•	•	•	•	•	–	–
EN 12952-11, EN 12953-9	–	•	•	•	•	•	•	–	–
Germanischer Lloyd	–	•	•	•	•	–	–	–	–
Lloyds Register	–	•	•	•	•	–	–	–	–
SIL 2	–	•	•	•	•	–	–	–	–
Output signal									
Active	–	–	–	–	–	–	–	–	–
Switching 250 V	•	•	•	•	•	•	•	•	•
Switching 24 V	•	•	•	•	•	•	•	–	–
Measuring element									
Brass	•	•	–	•	–	•	–	–	–
Stainless steel	–	–	•	–	•	–	•	•	–
Additional information									

Data capture

Temperature

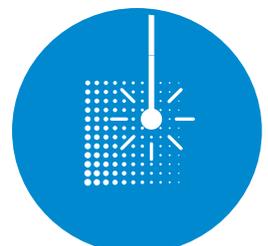


Type designation	EGT 130	EGT 330...335, 430	EGT 386, 388, 486, 686, 688	EGT 301	EGT 353...356, 456, 554, 654	EGT 346...348, 392	EGT 311	EGS 100
Place of installation								
Pipe/duct	-	-	-	-	•	•	•	-
Room	•	•	•	-	•	-	-	•
Outside temperature	-	-	-	•	-	-	-	-
Design								
Surface-mounted	•	•	-	•	-	-	-	-
Recessed	-	-	•	-	-	-	-	-
Built-in	-	-	-	-	-	•	-	-
Clamp-on temperature sensor	-	-	-	-	-	-	•	-
Cable	-	-	-	-	•	-	-	-
Setpoint adjusters	-	•	•	-	-	-	-	-
Output signal								
Active	•	-	-	-	-	-	•	-
Passive	-	•	•	•	•	•	•	•
Measuring element								
Ni 200/500	-	-/•	-	-	•/-	-	-	-
Ni 1000	-	•	•	•	•	•	•	•
Pt 100	-	•	-	-	•	-	-	-
Pt 1000	-	•	•	-	•	•	-	-
NTC 10k/22k	-	-	•/-	-	•/•	-	-	-
Mobile App								
Room Sensor Connect	•	-	-	-	-	-	-	-
Additional information								

Humidity



Type designation	EGH 120, 130	EGH 111, 112	EGH 102	EGH 103
Place of installation				
Pipe/duct	-	•	•	•
Room	•	-	-	-
Design				
Surface-mounted	•	-	-	-
Recessed	-	-	-	-
Built-in/rod	-	•	-	-
Clamp-on temperature sensor	-	-	•	•
Setpoint adjusters	-	-	-	-
Output signal				
Active	•	•	•	-
Switching	-	-	•	•
Variable				
Temperature	•	•	-	-
Relative humidity	•	•	-	-
Enthalpy	-	•	-	-
Dew point	-	•	•	•
Mobile App				
Room Sensor Connect	•	-	-	-
Additional information				



Air quality
Multi Sensor



Type designation	EGQ 220, 222	EGQ 120	EGQ 212	EGQ 110	FMS 117/116	FMS 197/196
Place of installation						
Pipe/duct	-	-	•	•	-	-
Wall	•	•	-	-	-	-
Ceiling	-	-	-	-	•	•
Design						
Surface-mounted	•	•	-	-	•	•
Recessed	-	-	-	-	•	•
Build-in/rod	-	-	•	•	-	-
Output signal/Communication						
Active	•	•	•	•	-	-
Bluetooth/WiFi (Bluetooth mesh/MQTT)	-	-	-	-	•	-
Ethernet/WiFi (MQTT)	-	-	-	-	-	•
Measurement variable						
Temperature	•	-	•	-	•	•
Relative humidity	-	-	-	-	•	•
Brightness	-	-	-	-	•	•
Motion/presence	-	-	-	-	•	•
Noise/sound pressure level	-	-	-	-	•	•
CO ₂	•	-	•	-	•/-	•/-
VOC	-	•	-	•	•	•
Mobile App						
Room Sensor Connect	•	•	-	-	-	-
viaSens	-	-	-	-	•	•
Additional information						

Flow and pressure



Type designation	DSU, DSI	DSDU, DSDI	EGP 100	XAFP 100	SVU 100	SGU 100
Place of installation						
Pipe/duct	•	•	•	•	-	-
Laboratory/clean room	-	-	•	-	-	-
Fume cupboard	-	-	-	-	•	•
Design						
Surface-mounted	-	-	•	-	-	-
Recessed	-	-	-	-	-	-
Build-in/rod	•	•	-	•	•	•
Display	-	-	•	-	-	-
Output signal						
Active	•	•	•	-	•	•
Switching	-	-	-	-	-	•
Variable						
Temperature	-	-	-	-	-	-
Relative humidity	-	-	-	-	-	-
Pressure	•	-	-	-	-	-
Differential pressure	-	•	•	•	-	-
Volume flow	-	-	-	-	•	-
Position	-	-	-	-	-	•
Additional information						

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