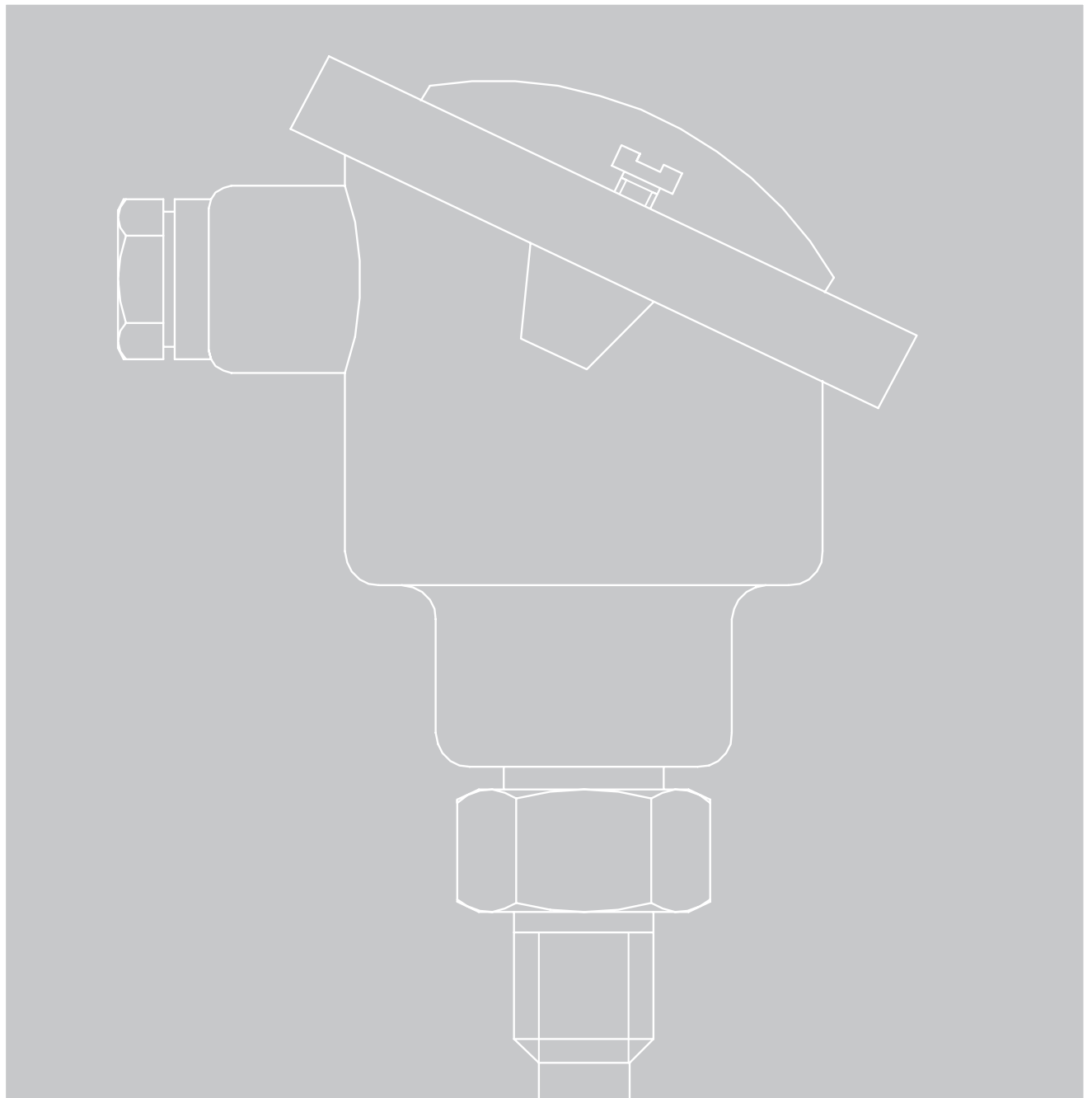





Heating, ventilation and air-conditioning applications



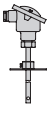
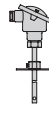

### Outdoor sensors

Measurement of outdoor temperature mounted on the exterior walls of buildings

Type	5225	5226	5227-2
Resistor	Pt 100	Pt 100	Pt 1000
Quantity	1	2	1
Permissible temperature [°C]			
Medium	-20 ... 50	-20 ... 50	-35 ... 85
Ambient	-35 ... 85	-35 ... 85	-35 ... 85
Style			
Data Sheet	T 5203 EN	T 5203 EN	T 5220 EN










### Duct sensors

Measurement of supply air, mixed air, or exhaust air temperatures in ventilation and air-conditioning systems (non-corrosive air or gases)

Type	5215	5216	5217
Resistor	Pt 100	Pt 100	Pt 1000
Quantity	1	2	1
Sensor length [mm]	300	300	290
Sensor shaft of	Ni-pl. brass	Ni-pl. brass	Ni-pl. brass
Permissible temperature [°C]			
Medium	-35 ... 200	-35 ... 200	-20 ... 150
Ambient	-20 ... 70	-20 ... 70	-20 ... 70
Style			
Data Sheet	T 5203 EN	T 5203 EN	T 5220 EN

### Room sensors and room panels

Measurement of room temperature in recreation rooms and offices

Type	5255	5256	5257-1	5257-2	5257-3	5257-4	5257-5	5257-6	5257-7 1)
Resistor	Pt 100	Pt 100	Pt 1000	Pt 1000	Pt 1000	Pt 1000	Pt 1000	Pt 1000	Pt 1000
Quantity	1	2	1	1	1	1	1	1	1
Perm. temperature range [°C]	-35 ... 85	-35 ... 85	-35 ... 70	-35 ... 70	-35 ... 70	-35 ... 70	-20 ... 60	-35 ... 70	-20 ... 60
Scope									
Set point correction				•	•	•	•	•	•
Mode selector switch						•	•		•
Step switch								•	
Pushbutton					•				
Style									
Data Sheet	T 5203 EN	T 5203 EN	T 5220 EN	T 5220 EN	T 5220 EN	T 5220 EN	T 5220 EN	T 5220 EN	T 5220 EN

1) Only for connection to Type 5757-7 Controller with Electric Actuator

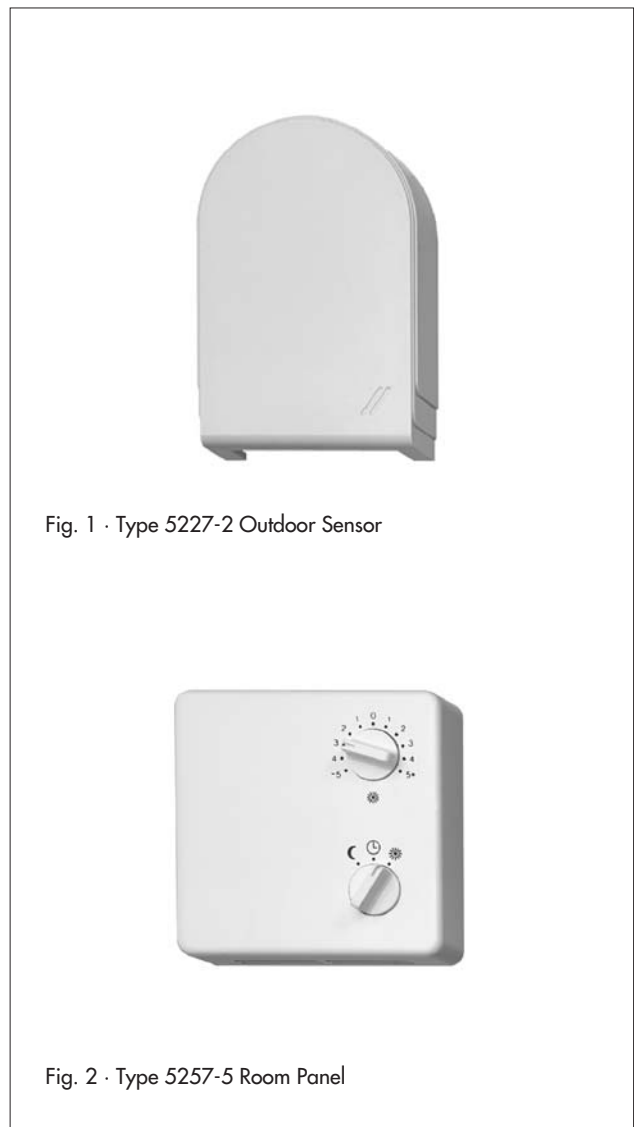



Fig. 1 · Type 5227-2 Outdoor Sensor

Fig. 2 · Type 5257-5 Room Panel



### Contact sensor

Measurement of water temperature in heating supply pipes and return pipes

<b>Type</b>	<b>5267-2</b>
Resistor	Pt 1000
Quantity	1
Perm. temperature range [°C]	-20 ... 120
Style	
Data Sheet	T 5220 EN

### Immersion sensors with thermowell

Measurement of water temperature in heating supply pipes and return pipes, in hot water heaters and heating plants. Thermowell required.

<b>Type</b>	<b>5277-2</b>	<b>5277-3, -5</b>
Resistor	Pt 1000	Pt 1000
Quantity	1	1
Length [mm]		
Sensor	80, 250	80, 250
Connecting lead	2000	3000, 5000
Sensor shaft made of	Brass, CrNiMo	Brass, CrNiMo
Nom. pressure	PN 16, PN 40	PN 16, PN 40
Perm. temp. range [°C]	-10 ... 105	-50 ... 180
Style		
Data Sheet	T 5220 EN	T 5220 EN

### Fast-response temperature sensors

Temperature sensor with fast response times for measuring rapid changes in temperature in heat exchangers

<b>Type</b>	<b>5207-0060</b>	<b>5207-61</b>	<b>5207-64</b>	<b>5207-65</b>
Resistor	Pt 1000	Pt 1000	Pt 1000	Pt 1000
Quantity	1	1	1	1
Length [mm]				
Imm. tube	-	110	170	250
Imm. depth	52	80	40 ... 100	120 ... 190
Connecting cable	2000	2500	2500	2500
Nom. pressure	PN 16	PN 40	PN 40	PN 40
Permissible temperature [°C]				
Medium	-5 ... 90	-50 ... 180	-15 ... 180	-15 ... 180
Ambient	-5 ... 80	-50 ... 180	-15 ... 180	-15 ... 180
Data Sheet	T 5222 EN	T 5221 EN	T 5221 EN	T 5221 EN



Fig. 3 · Type 5267-2 Contact Sensor



Fig. 4 · Type 5277-2 Immersion Sensor with short and long thermowells



Fig. 5 · Type 5207-0060 Fast-response Temperature Sensor

### Screw-in sensors

Measurement of water temperature in heating supply pipes and return pipes, in DHW heaters and heating plants.



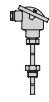


Type	5204-21 5204-26 5204-27	5205-46 5205-47 5205-48	5206-46 5206-47 5206-48	5207-21 5207-26 5207-27	5207-46 5207-47 5207-48
Resistor	Pt 100	Pt 100	Pt 100	Pt 1000	Pt 1000
Quantity	1	1	2	1	1
Sensor length					
80 mm	5204-21	–	–	5207-21	–
160 mm	5204-27	5205-47	5206-47	5207-27	5207-47
250 mm	5204-26	5205-46	5206-46	5207-26	5207-46
400 mm	–	5205-48	5206-48	–	5207-48
Sensor shaft made of	Brass	1.4571	1.4571	Brass	1.4571
Nom. pressure	PN 16	PN 40	PN 40	PN 16	PN 40
Permissible temperature [°C]					
Medium	-20...150	-60...400	-60...400	-20...150	-60...400
Ambient	-20...70	-20...70	-20...70	-20...70	-20...70
Style					
Data Sheet T .... EN	5203	5203	5203	5220	5220









Fig. 6 · Type 5205/5206 Screw-in Sensor

### Thermostats

Typetested thermostats for use as temperature monitors (TM), safety temperature monitors (STM), temperature regulators (TR) or safety temperature limiter (STL) as well as in combinations consisting of temperature regulator and safety temperature limiter (TR/STL) or temperature regulator and safety temperature monitors (TR/STM).



Type	5312-2	5313-4 to -10	5314-1 to -3	5315-1 to -3	5317-2 to -5	5318-1 to -4
Function	TM	STM	TR	STL	TR/STL	TR/STM
Set point range [°C]	-10 ... 12	Between 0 ... 60 and 50 ... 300	20 ... 90 or 20 ... 150	Between 30 ... 110 and 130... 200	Between 30 ... 110 and 60 ... 130	Between 0 ... 70 and 20 bis 110
Sensor length [mm]	6000	150, 200, 300	100, 150, 300	150	150	150, 300
Max. medium temperature [°C]	200	Between 69 and 345	103 or 172	Between 126 and 230	Between 103 and 149	80 or 138
Max. pressure [bar]	–	Between 48 and 92	Between 48 and 92	Between 48 and 88	Between 26 and 50	Between 26 and 50
Style						
Data Sheet	T 5205 EN					

Specifications subject to change without notice.



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2006-02