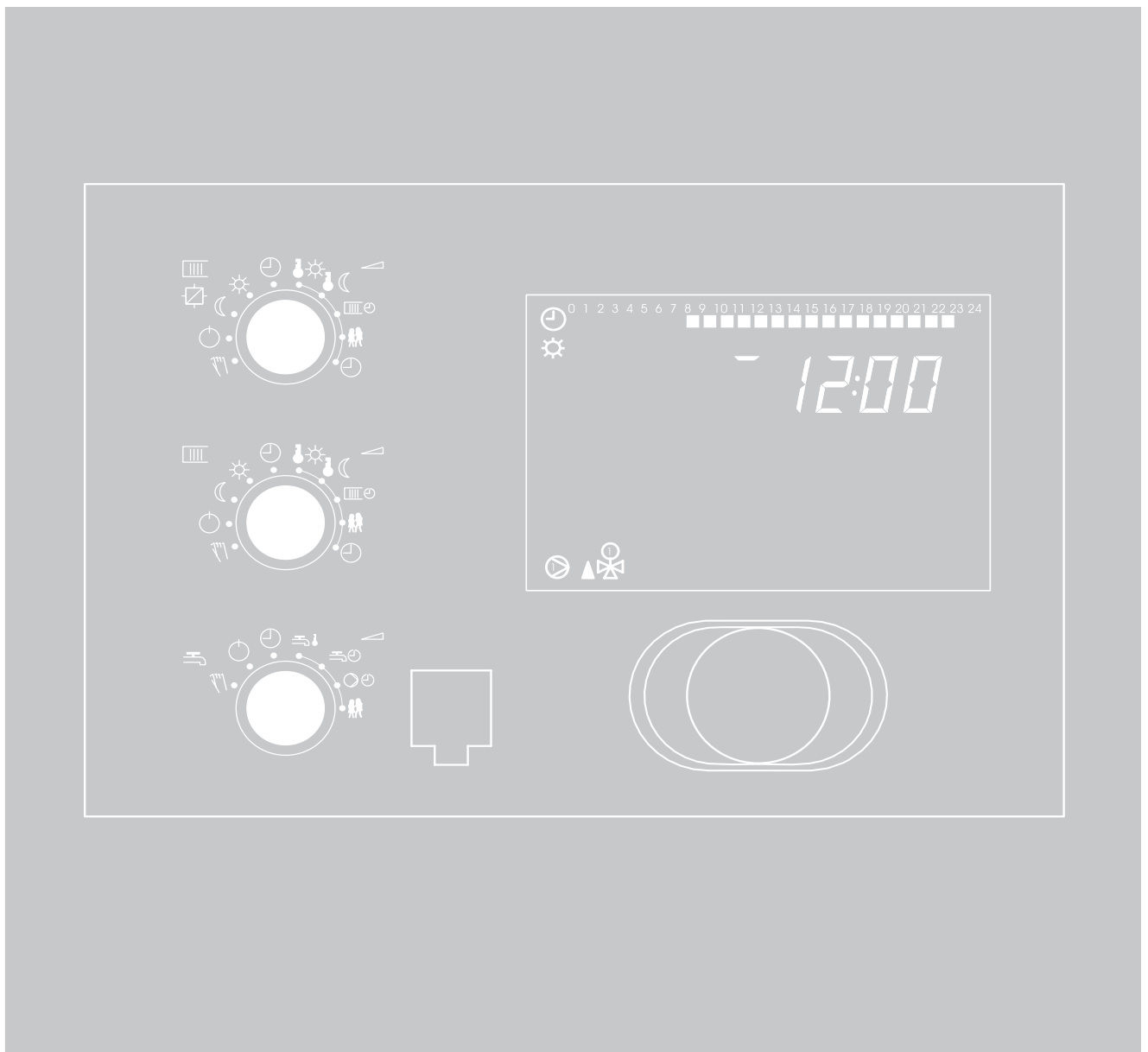









# INFORMATION SHEET

**T 5500 EN**

**Controllers and Systems for HVAC Applications**  
Heating and District Heating Controllers



TROVIS	5573	5575	5576	5579	5578	5578-E	I/O
Control circuits, max.	2	2	2	3	3	3	1
Heating, max.	2	2	2	3	3	3 <sup>1)</sup>	1
DHW, max.	1	1	1	1	1	1 <sup>2)</sup>	1
<b>Inputs</b>							
Sensors	8	8	15	17	17	14	4
alternatively binary	–	–	14	14	14	14	4
alternatively 0 to 10 V	–	1 <sup>3)</sup>	1	1	–	–	–
alternatively 0/4 to 20 mA	–	1 <sup>3)</sup>	14	15	–	–	–
additionally binary	2	2	–	–	–	–	–
additionally 0 to 10 V	1 <sup>4)</sup>	–	–	–	1	3	–
Usable sensor types	Pt 1000, PTC, Ni 1000	Pt 100/500/1000, Ni 1000, PTC, NTC			Pt 1000, PTC, Ni 1000		
<b>Outputs</b>							
Control signal							
On/off or three-step, max.	2	2	2	3	3	3	1
Binary	3	3	4	5	5	5	2
0 to 10 V/PWM	1 <sup>4)/0</sup>	–	2/0	3/0	1/1	4	2
Interfaces · Partly optional							
Device bus	–	•	•	•	•	•	•
Meter bus	o <sup>5)</sup>	–	o <sup>5)</sup>	o <sup>5)</sup>	•	•	–
Modbus slave							
RS-232	o <sup>5)</sup>	–	•	•	o <sup>5)</sup>	–	–
RS-485	o <sup>5)</sup>	–	o <sup>5)</sup>	o <sup>5)</sup>	o <sup>5)</sup>	•	–
Ethernet	o <sup>5)</sup>	–	o <sup>5)</sup>	o <sup>5)</sup>	o <sup>5)</sup>	•	–
Data transmission and data logging							
TROVIS-VIEW software module	•	•	•	•	•	•	–
Data transmission							
with memory module	•	•	•	•	•	–	–
Direct	• <sup>6)</sup>					• <sup>7)</sup>	–
Data Logging Viewer/Trend-Viewer	•/• <sup>8)</sup>	•/–	•/–	•/–	•/•	•/•	–/–
Supply voltage	85 to 250 V AC	165 to 250 V AC					85 to 250 V AC
Conformity	<b>CE · EAC</b>						
<b>Dimensions in mm</b>							
Width w	144	144	144	144	144	144	144
Height H	96	98	98	98	96	98	98
Depth d	54	60	81	81	75	75	54
							
<b>Data sheets</b>	▶ T 5573	▶ T 5575	▶ T 5576	▶ T 5579	▶ T 5578	▶ T 5578-E	On request

1) With 3x TROVIS I/O: 6

2) With 3x TROVIS I/O: 2

3) V and mA input cannot be used at the same time

4) 0 to 10 V input and output in TROVIS 5573 cannot be used at the same time

5) Optional

6) Using USB converter 3

7) Over Ethernet

8) TROVIS 5573-1xxx only

## Freely programmable TROVIS 6611-2 Control and Automation Unit

TROVIS 6611-2 is a freely programmable control and automation unit for autonomous operation and management of six I/O modules (up to 120 physical data points). It has an integrated color touch screen for visualization. The SAMSON Graphical Project Management tool is required to create applications.

TROVIS	6611-2	6620-1	6625	6630	6640	
Device type	Control and automation unit	I/O module	Input module	AO module	AI module	
Display	•	–	–	–	–	
Max. number of units						
I/O modules per TROVIS 6611-2						32
TROVIS 6611-2 per application						32
<b>Inputs</b>						
Total number		10	20	–	8	
Binary		•	•	–	–	
0/4 to 20 mA		•	–	–	•	
0/2 to 10 V		•	–	–	•	
Two-wire transmitter supply		–	–	–	•	
Sensors		Pt 1000	–	–	•	
0 to 2000 Ω		•	–	–	•	
<b>Outputs</b>						
Total number		10	–	8	–	
Binary		6	–	–	–	
0/4 to 20 mA		–	–	•	–	
0/2 to 10 V		4 (0 to 10 V)	–	•	–	
<b>Interfaces</b>						
Modbus RS-485	•	–	–	–	–	
I/O bus (RS-485)	•	•	•	•	•	
Ethernet (RJ-45)	•	–	–	–	–	
USB	•	–	–	–	–	
Supply voltage	24 V AC/DC	24 V AC/DC	24 V, 50 Hz	24 V AC/DC	24 V AC/DC	
Power consumption	8 VA/W	Approx. 3 VA/W	Approx. 8 VA	Approx. 8 VA/7 W	Approx. 8 VA/W	
Conformity	CE EAC			CE		
<b>Dimensions in mm</b>						
Width w	147	110	110	110	110	
Height H	96	130	130	130	130	
Depth d	50	60	60	60	60	
						
Data sheets	▶ T 6611-2	▶ T 6620-1	▶ T 6625	▶ T 6630	▶ T 6640	

## TROVIS-VIEW (6661)

Configuration and parameters settings of TROVIS 55xx Heating and District Heating Controllers are easily changed or entered using the TROVIS-VIEW software.



More details on TROVIS-VIEW:

- Operating instructions: ▶ EB 6661
- Data sheet: ▶ T 6661

## SAM DISTRICT ENERGY

SAM DISTRICT ENERGY is a web-based solution for managing, controlling and optimizing heating systems in the local heat supply as well as district heating and cooling networks. It allows heating systems to be managed, operated and optimized. All key data on connected controllers, utility meters and electric actuators are accessible from a smartphone, notebook or tablet computer.



More details on SAM DISTRICT ENERGY:

- Operating instructions: ▶ EB 6901
- Internet: ▶ [www.samsongroup.com](http://www.samsongroup.com) > Products & Applications > Digital solutions > SAM DISTRICT ENERGY