

Application

Room temperature control in a room by heating or cooling



Special features

- Direct access to the operating modes:
Automatic mode – Time-of-use – Outside of time-of-use
- Room set point and measured room temperature displayed
- Three time schedules configurable separately for each day of the week
- Vacation program mode with its own set point
- Temporary set point correction
- Parameterization and configuration directly at the controller or over a station for operation and monitoring
- Communication over Modbus interface for integration into TROVIS 5500 System
- Expansion modules available for complex control functions

Operation

The current set point for times-of-use and outside of times-of-use can be temporarily changed over the \uparrow and \downarrow arrow keys when the controller cover is closed. This changed set point applies until the next time-of-use starts (automatic mode) or until the operating mode is changed, however, eight hours at the maximum.

Additional operating keys exist when the front cover is opened (Fig. 1) for parameterization and configuration purposes.

The \diamond changeover key allows the controller time and the time schedules to be altered.

Parameters are selected and changed using the \uparrow , \downarrow and $*$ keys in the *Set points*, *Control* and *Communication* parameter levels.

The operating mode is changed by pressing the ⏏ key:
Automatic mode – Time-of-use – Outside of time-of-use.



Fig. 1 · TROVIS 5572 Room Controller (with front cover open)

Technical data · TROVIS 5572 Room Controller

Inputs	1 room sensor (internal) 1 presence button (internal) 2 binary inputs for window contact/dew-point and operating mode override
Outputs	2 triac outputs 24 V AC, 1 A 2 outputs 0 to 10 V
Power supply	24 V AC
Interface	Modbus (RS-485)
Ambient conditions	Operation: 0 to 50 °C Storage and transportation: -10 to 60 °C 95 % rH, not condensing
Degree of contamination	2 according to VDE 0110
Noise immunity	According to EN 61000-6-1
Noise emission	According to EN 61000-6-3
Dimensions in mm W x H x D	113 x 91 x 30

Electrical connection and installation

Terminal assignment		
1	RS-485; Modbus (slave)	Connection to control station (GLT) or to a Modbus master interface
2		
3	0...10 V output 1	
4	0...10 V output 2	
5	GND, 0...10 V outputs	
6	Binary input BE1	
7	Binary input BE2	
8	GND, binary inputs	
9	Power supply 24 V AC	AC 1
10		AC 2 has GND reference
11	Triac output 1	24 V AC, 1 A
12		
13	Triac output 2	24 V AC, 1 A
14		
15	RS-485; Modbus (master)	Connection to expansion module(s)
16		

To mount and wire the room controller, the housing section needs to be separate from the base. To proceed, press down the tongue on the bottom of the controller and tip the housing section forward to remove it from the base. Screw the base to the wall and connect the wiring. Push the top of the housing section onto the base and push it down.

Ordering text

Room Controller TROVIS 5572

Accessories

Expansion module 1400-9386

Expansion module 1400-9386

Extension of inputs and outputs at the room controller

Technical data	
Inputs	
Binary inputs 0 to 10 V inputs	6 · Optionally binary or 0 to 10 V input ¹⁾
Outputs	
Binary outputs	4 · 230 V/2 A (relay)
Interface	Modbus RS-485
Operating voltage	24 V AC
Dimensions [mm]	
Width	140
Height	93
Depth	30

¹⁾ Inputs 1 and 2 can be used as counter inputs (max. 1 kHz).
Inputs 5 and 6 can be used as **0 to 10 V outputs**.

Terminal assignment			
1	BA1	Binary output 1	230 V/2 A
2	BA2	Binary output 2	230 V/2 A
3	COM 1/2	COM binary output 1/2	
4	BA3	Binary output 3	230 V/2 A
5	BA4	Binary output 4	230 V/2 A
6	COM 3/4	COM binary output 3/4	
7	AC1 24V	Power supply 24 V AC	AC 1
8	AC2 24V		AC 2 has GND reference
9	BE1	Binary input 1 or 0 to 10 V input	Or counter input
10	BE2	Binary input 2 or 0 to 10 V input	Or counter input
11	(GND input 1/2	
12	BE3	Binary input 3 or Pt 1000 or 0 to 1000 Ω	
13	BE4	Binary input 4 or Pt 1000 or 0 to 1000 Ω	
14	(GND input 3/4	
15	BE5	Binary input 5 or 0 to 10 V input	Or 0 to 10 V output
16	BE6	Binary input 6 or 0 to 10 V input	Or 0 to 10 V output
17	(GND input/output 5/6	
18	A1	RS-485/Modbus (slave)	Connection to TROVIS 5571, 5572 or expansion module(s)
19	B1		
20	A2	RS-485/Modbus	
21	B2		

Specifications subject to change without notice

