

Features

- Digital thermostat with 6 functions and built-in time switch clock with day, week and year program. You can also limit temperature functions and courses this way in real time.
- Complex control of home and water heating, solar heating, etc.
- Two thermostats in one, two temperature inputs, two outputs with dry contact.
- Maximum universal and variable thermostat including all ordinary thermostat functions.

Multifunction Digital Thermostat

326820



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

- Digital thermostat with 6 functions and built-in time switch clock with day, week and year program. You can also limit temperature functions and courses this way in real time.
- Complex control of home and water heating, solar heating, etc.
- Two thermostats in one, two temperature inputs, two outputs with dry contact.
- Maximum universal and variable thermostat including all ordinary thermostat functions.
- Functions: two independent thermostats, dependent thermostat, differential thermostat, two level thermostat, zone-based thermostat, dead zone thermostat.
- Program setting of output functions, calibration of sensors according to reference temperature (off set).
- The thermostat is subject to the digital clock programs.
- Wide operating range of temperature settings, the possibility of measuring in °C and °F.
- Clear display of set and measured data on a backlit LCD.
- Power supply: AC 230 V or 24 V AC/DC (based on type of device).
- The time switch clock has a battery backup, which retains data in case of a power outage (backup time is up to 3 years).
- Easy replacement of the backup battery through the plug-in module, no disassembling is required.
- Output contact 1x changeover/SPDT 8 A/250 V AC1 for each output.
- 2-MODULE, DIN rail mounting.

Supply Specifications

Supply terminals:	A1-A2
Voltage range:	AC/DC 24 - 240 V (AC 50-60 Hz)
Burden:	max. 4 VA/0.5 W
Max. dissipated power (Un + terminals):	3 W
Supply voltage tolerance:	-15 %; + 10 %
Backup battery type:	CR 2023 (3V)

Output

Number of contacts:	1x switching for each output (AgNi)
Rated current:	8 A / AC1
Switching capacity:	2000 VA / AC1, 240 W / DC
Switching voltage:	250 V AC / 30 V DC
Output indication:	symbol ON/OFF
Mechanical life:	1x10 ⁷
Electrical life (AC1):	1x10 ⁵

Other information

Operating temperature:	-20 °C to 55 °C (-4 °F to 131 °F)
Storage temperature:	-30 °C to 70 °C (-22 °F to 158 °F)
Electrical strength:	4 kV (supply - output)
Operating position:	any
Mounting:	DIN rail EN 60715
Protection degree:	IP 40 from front panel / IP 20 terminals
Overvoltage category:	III.
Pollution degree:	2
Max. cable size (mm ²):	solid wire max.1x 2.5 or 2x1.5 with sleeve max. 1x2.5 (AWG 12)
Dimensions:	90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5")
Weight:	71 g (2.5 oz.)
Standards:	EN 60255-1, EN 60255-26, EN 60255-27, IEC 60730-2-9

Time circuit

Real time back-up:	up to 3 years
Accuracy:	max. ±1s/ day at 23°C
Minimum interval:	1 min.
Data stored for:	min. 10 years

Program circuit

Number of memory places:	100
Program:	daily , weakly, yearly
Data readout:	LCD display, with back light

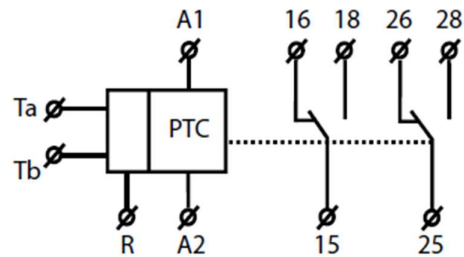
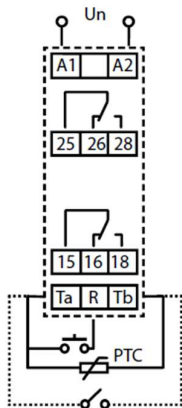
Measuring circuit

Measuring terminals:	T1-T1 and T2-T2
Temperature range:	-40°C.. + 110°C
Hysteresis (sensitivity):	adjustable within range 0.5...5 °C
Diference:	adjustable 1 .. 50 °C
Sensor:	thermistor NTC 12 kΩ at 25 °C
Sensor failure indication:	Displayed on LCD

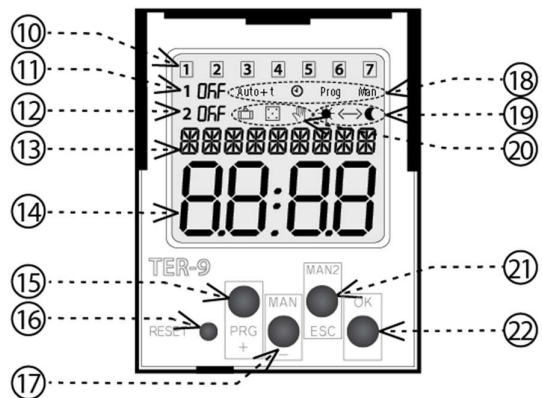
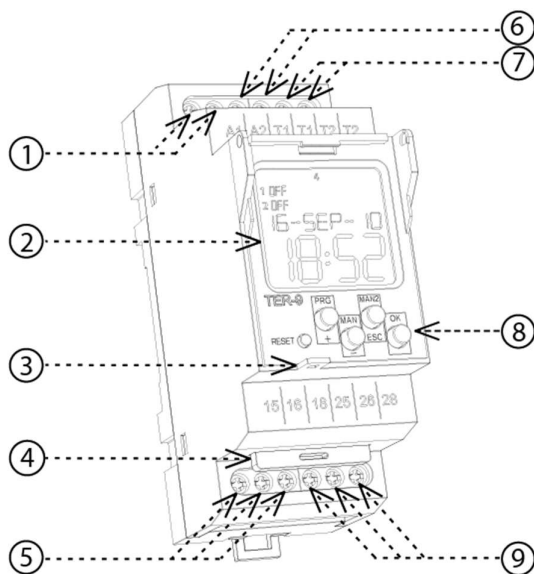
Accuracy

Measuring accuracy:	5 %
Repeat accuracy:	< 0.5 °C
Temperature dependance:	< 0.1 % / °C
Number of function:	6

Connection and symbol



Description and function



- Supply voltage terminals
- 2. Display with back-light
- 3. Place for seal
- 4. Plug-in module for replacing backup battery
- 5. Output - channel 1 (15-16-18)
- 6. Terminals - sensor 1
- 7. Terminals - sensor 2
- 8. Control buttons
- 9. Output - channel 2 (25-26-28)
- 10. Indicates the day in the week
- 11. Indication (1st channel)
- 12. Indication (2nd channel)
- 13. Display of data / settings menu / or display of current measured temperature
- 14. Time display
- 15. Control button PRG / +
- 16. Reset
- 17. Control button MAN1 / -
- 18. Operating modes indication
- 19. 12/24 hours format / AM <- ; PM ->
- 20. Indication of the switch program
- 21. Control button MAN2 / ESC
- 22. Control button OK. Switches display date / measured temperature of channel 1, 2