Evo DIN

VE016200



Electronic smart thermostat, 230 Vac power supply, DIN-rail mounted, with weekly programming. Device designed for room temperature regulation in heating mode (winter) and cooling mode (summer). Room temperature measurement via wall-mounted remote probe.

General features

- DIN-rail mounted
- Temperature probe for wall-mounted installation
- Display showing measured temperature and set programming
- Terminal block for connecting load, power supply, external contact and remote temperature probe
- Input for connecting the wall-mounted temperature probe (included). Alternatively, the X.temp probe can be connected (sold separately).
- Digital input for connecting an external contact to switch off the device
- Automatic weekly programming with 3 temperature levels: T1, T2, T3
- Temperature control: on/off (with adjustable differential) or proportional
- Anti-freeze temperature to prevent system freezing when the device is in OFF state
- Adjustable display contrast
- Timing function: Maintains the current operating mode (automatic, manual, or off) for a set period of time, after which the device automatically switches to the specified mode.
- Automatic changeover between standard time and daylight saving time
- Keypad lock function with password to prevent modifications by unauthorised people
- Classification according to point 6 of European Commission Communication 2014/C 207/02: class IV

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	2.5 VA
Power reserve	24 hours
Temperature settings	
Temperature setting range Manual winter	2 ÷ 35 °C
Temperature setting range Manual summer	2 ÷ 35 °C
Temperature setting range Automatic winter	2 ÷ 35 °C
Temperature setting range Automatic summer	10 ÷ 35 °C
Temperature setting range Antifreeze (Off)	OFF, 1 ÷ 10 °C
Parameter settings	
Type of adjustment	ON-OFF or proportional
Differential/Hysteresis	0.1 ÷ 1 °C

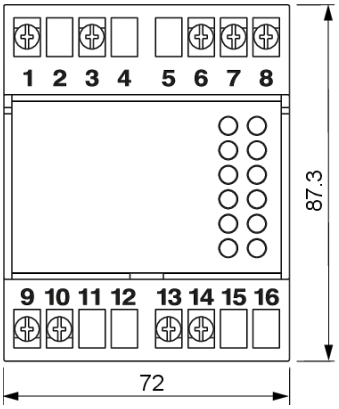
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Parameter settings	
Modes of operation	Summer Winter
Programming	Weekly
Programming resolution	1 hour
Measure	
Temperature measuring range	-40 ÷ 60 °C
Temperature display resolution	0.1 °C
Temperature measurement accuracy	0.5 °C
Connectivity	
Maximum distance between device and actuator or probe	40 m
Operating conditions	
Operating temperature range	0 ÷ 50 °C
Relative humidity	20% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Approvals and certifications	
Classification according to point 6 of Communication 2014/C 207/02 of the European Commission:	Class IV
Viewing	
Display	LCD
Inputs	
Type of connectable probes	NTC (100 kΩ at 25 °C)
Outputs	
Relay capacity at 250 Vac	8 A
Terminations	
Maximum cable cross-section	6 (voltage input) mm² 6 (relay output) mm² 6 (external input) mm² 2.5 (probe input) mm²
Mechanical features	
Protection degree	IP20 IP41 (on the front)
Physical features	
Color	White
Device command	Keys
Overall dimensions	
Height (A)	87.3 mm
Width (B)	72 mm
Depth (C)	60 mm

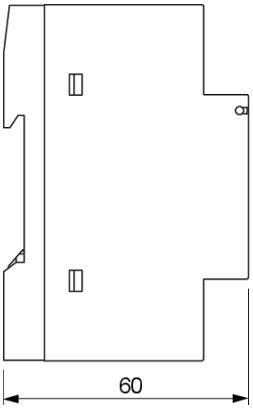
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Dimensions

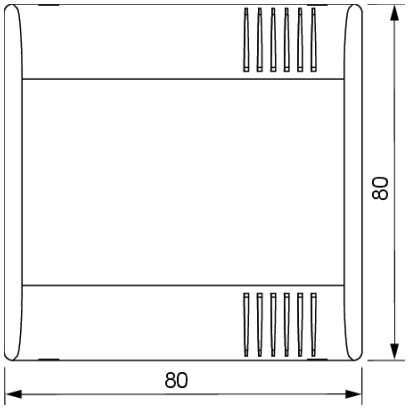
Front View



Side View



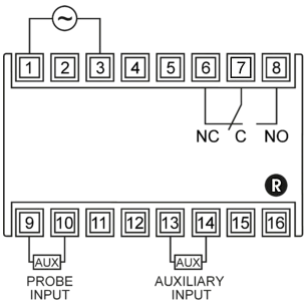
Front View Sonda



Side View Probe



Wiring diagram



With external contact closed:

- smart thermostat off

Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN IEC 60730-2-7 • EN IEC 60730-2-9 • EN IEC 63000

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