



Flush-mounted thermostat for controlling heating and cooling systems, with temperature and humidity management and shutdown capability. The thermostat can be used both in connected systems, paired with the Home Gateway GW2x856, and in traditional non-connected systems. It is powered by the mains voltage (100-240 Vac, 50/60 Hz) and is equipped with an LCD display with RGB backlighting, 4 control buttons, and an integrated sensor for detecting ambient temperature and relative humidity. The thermostat features an input for an NTC sensor (NTC sensors GW10800 can be used) for detecting external temperature (e.g. for compensation of the temperature locally measured by the thermostat or for protection in the case of underfloor heating/cooling systems). The device operates as a ZigBee router, forwarding ZigBee messages to other devices.

Colour	Glossy white	No. modules	2
Power supply	100 ÷ 240 V ac - 50/60 Hz	Radio connections	Zigbee (IEEE 802.15.4)
Power output Zigbee	10 dBm	Max Power consumption operation	1.1 W (100 V ac) - 1 W (240 V ac)
IP degree	IP20	Wiring terminals	With screw
Terminal tightening capacity stranded cables (mm ²)	Max. 1.5	Terminal tightening capacity solid cables (mm ²)	Max. 1.5
Working temperature	-5 ÷ +45 °C	Stocking temperature	-25 ÷ +70 °C
Relative humidity (non-condensative)	Max 93%	Standard	Directive RoHS 2011/65/EU + 2015/863, Directive RED 2014/53/EU, EN 60730-2-9, EN 60730-2-7, EN 60730-1, EN 301 489-1, EN 301 489-17, EN 300 328, EN IEC 63000
Category	Thermostat	Installation	Flush mounting enclosures
Measured sizes	Temperature, humidity	Intervallo regolazione umidità	20 ÷ 90%
Output contacts	1NO/NC 5 A (AC1) 240 V ac	Functions	Heating and cooling control; algorithms for 2-way systems: two-point (On/Off) and proportional integral (PWM).
Type of display	LCD	Local control	Using 4 front button
No. input channels	1 external temperature sensor input (type NTC 10K, e.g. GW10800) with max. 10 m cable	Temperature adjustment range	T antigelo: +7°C, T protezione alte temperature: +35 °C, Setpoint riscaldamento: +8 ÷ +31 °C, Setpoint raffreddamento: +15 ÷ +34 °C

DIMENSIONAL

TECHNICAL SYMBOLOGY

IP

IP20

STANDARDS/APPROVALS



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