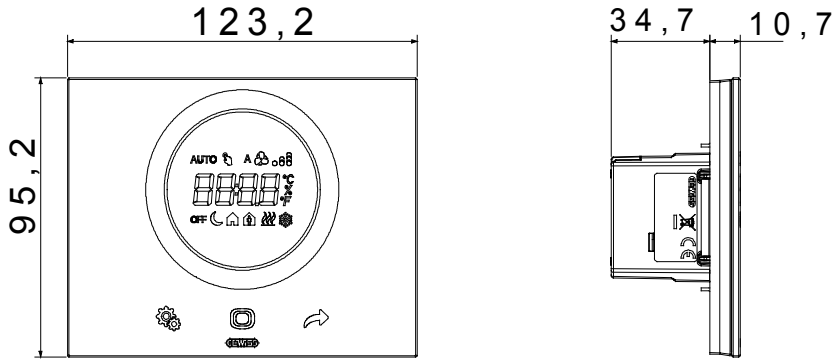
Product Data Sheet
GW16974CB

&Sistem Home Building Pro

Flush-mounting thermostat for controlling heating/cooling systems via BUS, and manual or 3-level temperature management (comfort, pre-comfort, economy). Control algorithms for two- or four-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous 0%-100%), fan coil (max. 3 speeds with ON/OFF or 0%/100% control). Allows control of humidification and dehumidification systems if connected to an external humidity sensor (e.g. GW1x762H). Has 1 input for potential-free contact (for window contact function, for managing fronts, dimmers, shutters or scenarios); 1 input for NTC external temperature sensor (e.g. protection for underfloor heating) or, alternatively, as a second input for potential-free contact. Equipped with user interface with touch-type (capacitive) controls on glass plate and rear-projection display. The thermostat has integrated proximity and temperature sensors. Configuration is via ETS software.
The thermostat can be combined with flush-mounted KNX timed thermostats or KNX control panels for zoned temperature control: in this case, the thermostat acts as a slave, implementing the temperature profile sent from the master.
Equipped with a coupling terminal for connection to BUS. The thermostat include a front plate, and is designed for screw fastening to either rectangular 3-gang boxes (83.5 mm centre distance) or round/square boxes (60 mm centre distance) equipped with installation columns. Plate materials: glass.

Categorie	**Thermo ICE KNX thermostat**	**Comunication**	**KNX**
Culoare	**Alb**	**Material**	**Front plate in glass**
Instalare	**Flush mounting on 3-modules rectangular (GW24403, GW24403PM), round (GW24234, GW24234PM) or square (GW24231) boxes**	**Alimentare electrică**	**12-24V AC/DC**
Current absorbed by power supply	**Max 4,5 W (12-24Vac); max 3,6 W (12-24Vdc)**	**Interfețe**	**KNX TP1**
Current absorbed by KNX bus (mA)	**10**	**Dimensiuni măsurate**	**Temperature, one additional input for external NTC temperature sensor**
Nr. canale de intrare	**2 (in case a NTC sensor is used mustb a 10K type, e.g. GW 10 800)**	**Tensiune de intrare**	**Potential free**
Borne de cablare	**Conținut**	**Capacitate de strângere borne cabluri torsadate (mm²)**	**Max. 2,5 mm²**
Capacitate de strângere a bornelor cabluri solide (mm²)	**Max. 2,5 mm²**	**Temperatura de lucru**	**-5 ÷ +45 °C**
Umiditate relativă (necondensată)	**Max. 93%**	**Temperatura de stocare**	**-25 ÷ +70 °C**
Connection to the KNX bus	**KNX bus terminal**	**Dimensiuni LxHxD (mm)**	**123,2x95,2x10,7**
Grad IP	**IP20**	**Standard**	**Low Voltage Directive 2014/35/EU Electromagnetic Compatibility Directive 2014/30/EU, EN 50491, EN 60669-2-5**

DIMENSIONAL



TECHNICAL SYMBOLOGY

IP

IP20

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Last update 19/04/2024

STANDARDS/APPROVALS