

SMART TECHNOLOGY,
TIMELESS DESIGN

Glass Wall Thermostat with CO₂ sensor

HmIP-WGTC | HmIP-WGTC-A

The Homematic IP Glass Wall Thermostat with CO₂ sensor can be integrated perfectly into anyone's living environment thanks to its contemporary design and 55 mm frame. It has two touch surfaces, separated visually from each other by separators, to enable the temperature to be adjusted conveniently. The relative humidity and CO₂ concentration can also be displayed on the panel in addition to the temperature.



reddot winner 2025

Frame not included in the scope of supply

homematic 
Smart living, simply comfortable

ELEGANCE IN GLASS

The elegance of the surface, made of durable and hygienic glass, immediately catches the eye. In combination with a matching glass frame (available separately), the device fits stylishly into high-class interiors and enhances the appearance of any room.

UPGRADE TO SMART

Conventional wall-mounted thermostats in an existing installation can be easily replaced with the Homematic IP Glass Wall Thermostat with CO₂ sensor. The Homematic IP Glass Wall Thermostat with CO₂ sensor is installed in an empty device box and controls conventional 230 V actuators for underfloor heating. This immediately makes the underfloor heating smart and it can be controlled individually via the Homematic IP App. As an alternative, the switching output can be used to control lights.

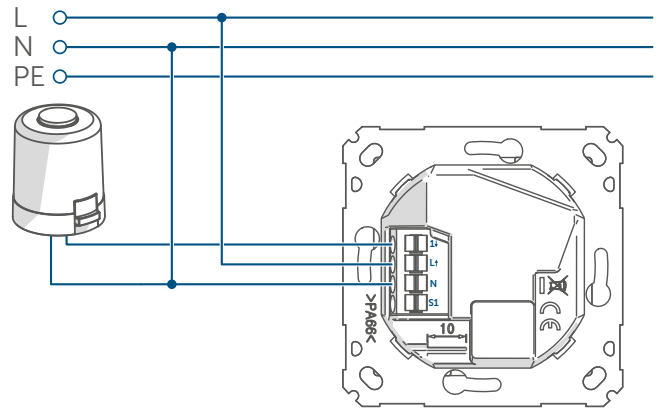
The Glass Wall Thermostat with CO₂ sensor can also be used to control the room temperature in combination with Homematic IP Radiator Thermostats, Underfloor Heating Controllers and Switching Actuators (for electric radiators).

MODULAR DESIGN

Thanks to its flexibly combinable design, the Glass Wall Thermostat with CO₂ sensor can be integrated into existing switch series (with 55 mm frames) from the most popular manufacturers (an overview of compatible manufacturers is listed at www.homematic-ip.com).

EASY TO INSTALL

The Homematic IP Mounting Module with switching output (HmIP-MMR), installed in a switch box, is used as the base for the Glass Wall Thermostat with CO₂ sensor. In addition, the Mounting Module also offers a relay output.



Connection to a thermo-electric valve drive

FLEXIBLE OPERATION

- ✓ Directly via the touch surfaces
- ✓ Wirelessly using Homematic IP push-buttons, or remote controls or motion detectors
- ✓ At any time via the Homematic IP app
- ✓ 3 configurable heating schedules with 13 changes per day
- ✓ Easy operation via voice control (using Amazon Alexa or Google Assistant)
- ✓ Switching output for controlling light sources

Operation requires a connection to a Homematic IP Access Point or a Central Control Unit.

TECHNICAL SPECIFICATIONS

Supply voltage	230 V/50 Hz
Max. switching capacity	6 A 1380 W
Degree of protection	IP20
Load type	Ohmic load
Cable type and cross section	Rigid and flexible cable 0.75 – 2.5 mm ²
Installation	Only in switch boxes (device boxes) in accordance with DIN 49073-1, only in Legrand Batibox switch boxes
Ambient temperature	-5 - +40°C
Dimensions (W x H x D)	
HmIP-MMR:	71 x 71 x 36 mm
HmIP-WGTC-F:	54.5 x 54.5 x 29 mm
Weight	113 g
Radio frequency band	868.0-868.6 MHz 869.4-869.65 MHz
Typical Open area RF range	130 m

LOGISTICS DATA

Version	White	Black
Product reference	161333A0	161574A0
EAN code	4047976613335	4047976615742
Short description	HmIP-WGTC	HmIP-WGTC-A
Packing unit	60	60
Packaging dimensions	122 x 112 x 73 mm	122 x 112 x 73 mm
Weight incl. packaging	246.9 g	246.9 g

PACKAGE CONTENTS

Glass wall thermostat with CO₂ sensor, front
Mounting module with relay
Mounting accessories
Operating manual