Universal heating and cooling electronic thermostat GHC201.07

APLICATION

GHC201.07 is the electronic heating ang cooling thermostat with one relay and one or two temperature sensors. On the basis of one of the sensors it can control cooling or heating, while the second sensor can act as a thermometer.

In the controller it is possible to define the relay function depending on the needs of its use. The controller can be used for instance: there, where one need to turn one heater on, as well as there, where one need to control heating and cooling independently.

PROPERTIES

- ON/OFF switch built in.
- Network power supply 230V.
- Controller's keyboard with touch buttons.
- Sound signals.
- Ability to determine the relay function
- One relay output 16A
- Work with one or two temperature sensors.
- Diodes that signal the relay connection.
- Measurement and control in the wide range of the temperature.
- Signaling (sound and optical) of damage in circuits of sensors and emergency work.

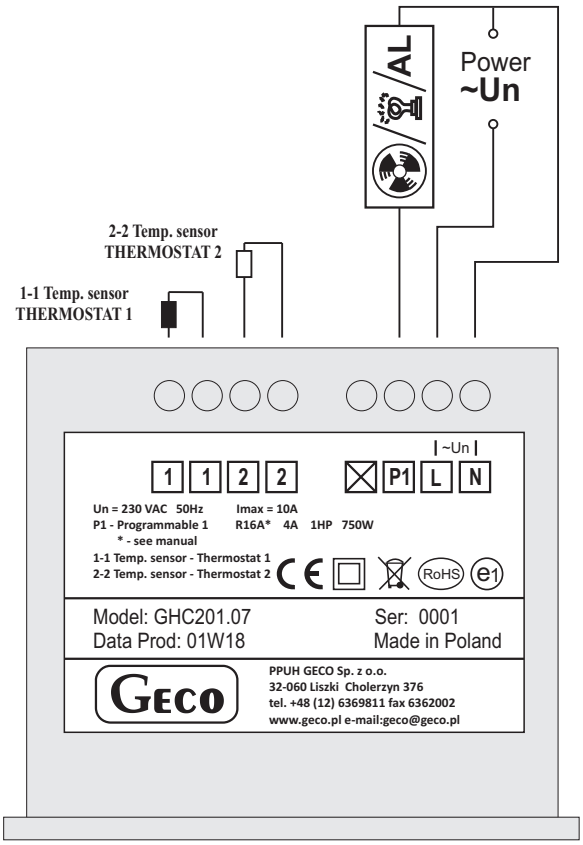
TECHNICAL DATA

OUTPUT	RELAY	Recommended constant carrying capacity		
P1	16A	4A	750W	1 HP

Operating Voltage	~230V AC +10% / -15%
Envirоinment Temperature	From +5°C to +45°C
Humidity	From 20% to 80% RH
Protection Level	Ip65 Front side of the panel
Sensor type	T1: NTC 2,2kΩ - range: From -40°C to +120°C T2: NTC 2,2kΩ - range: From -40°C to +120°C

P.P.U.H. "GECO" Sp. z o.o.
Cholerzyn 376
32-060 Liszki, Polska
Tel. +48 (12) 636 98 11, 636 12 90, +48 (602) PPGECO
Fax. +48 (12) 636 20 02
e-mail: geco@geco.pl, http://www.geco.pl

SCHEME OF CONNECTIONS



LABELING METHOD

Model Label: **GHC201.07**

Electronic heating ang
cooling thermostat
with one relay

SET CONTENT

- Thermostat
- One temperature sensor of the ordered length.
- Additionally it is possible to order second temperature sensor

DESCRIPTION

GHC201.07 is the universal heating and cooling controller.

The method of the thermostat operation is determined by service parameters.

Relay can perform function:

Heating – controls the heater, hot water/oil valve,

Cooling - controls cooling, the compressor, ice water,

Alarm - controls buzzer or the next level of heating/cooling.

Possible are following applications:

Sensor 1 heating
Sensor 2 thermometer
One sensor controls heating and another one is used as the thermometer.

Sensor 1 cooling
Sensor 2 thermometer
One sensor controls cooling and heating, second one is used as the thermometer.

Depending on the appliance user sets one temperature and the other sensor takes the role of thermometer.

The controller has the cut-off switch. The turned off controller has all outputs turned off too.

The controller displays temperature measured with a chosen sensor. User can turn on the temporary view of temperature from the second sensor.

In case of the sensor failure the controller displays alarm code and operates using clock mode.

The controller has service internal parameters such as: programmable range of the temperature, functions of relays, compressor protection times that describe the controller's methods of work. These parameters can be programmed by choosing the specific mode in the controller.

CASE DIMENSIONS