

Universal heating and cooling electronic thermostat

GHC201.08



APPLICATION

GHC201.07 is the two channels thermostat. It has two relays and two temperature sensors. Each channel can control separately cooling, heating or simultaneously heating and cooling.

In the controller there is possibility to define function of every output. Thanks to this feature the device is very easy to suit depending on its application. 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 or where one need to control only cooling.

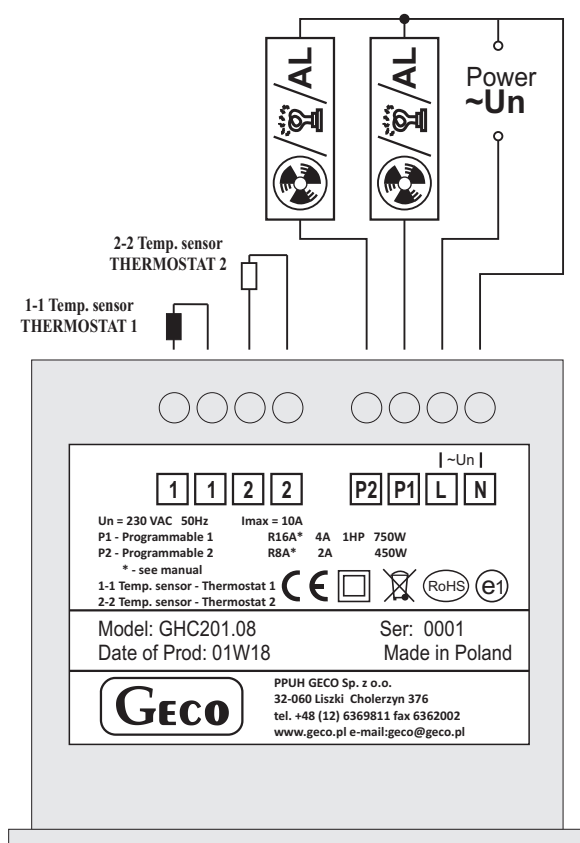
PROPERTIES

- ON/OFF switch built in.
- Network power supply and outputs operating under 230V voltage.
- Sound signals.
- Controller's keyboard with touch buttons.
- Two independent thermostats in one.
- Work with two temperature sensors.
- Two relay output 16A and 8A
- Diodes that signal each 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
P2	8A	2A	450W	-
Operating Voltage	~230V AC +10% / -15%			
Environment Temperature	Od +5 do +45			
Humidity	Od 20% do 80% RH			
Protection Level	Ip65 Front side of the control panel			
Sensor type	T1: NTC - range: from -40°C to +120°C T2: NTC - range: from -40°C to +120°C			

SCHEME OF CONNECTIONS



LABELING METHOD

Model Label: **GHC201.08**

Electronic heating and
cooling thermostat
with two relays

SET CONTENT

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

DESCRIPTION

GHC201.08 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 heating
- Each sensor controls separate heater.

- Sensor 1 cooling
- Sensor 2 cooling
- Each sensor controls separate compressor.

- Sensor 1 cooling
- Sensor 2 heating
- One sensor controls the compressor and another one heater.

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

- Sensor 1 cooling or heating
- Sensor 2 thermometer, alarm
- One sensor controls the compressor or the heater, second one is used as a thermometer and signals the alarm in case of incorrect temperature.

Depending on the appliance user sets one or two temperatures.

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.