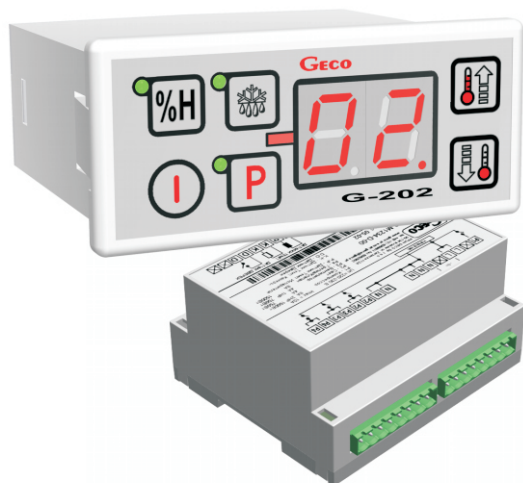


Electronic thermostat with humidity control

G-202-P06



APPLICATION

G202-P06 device can be applied to control refrigerators (mainly cooling counters for cakes and dairy) where humidity need to be stabilized.

Thanks to the appropriate software it enables the control system for lifting or lowering humidity .

For low, medium and great power equipment the device allows connection of all controlled appliances: the compressor, the heater, the fan and humidity control, straight into the controller without need to connect additional contactors. It is possible thanks to usage of 16A and 30A relays.

PROPERTIES

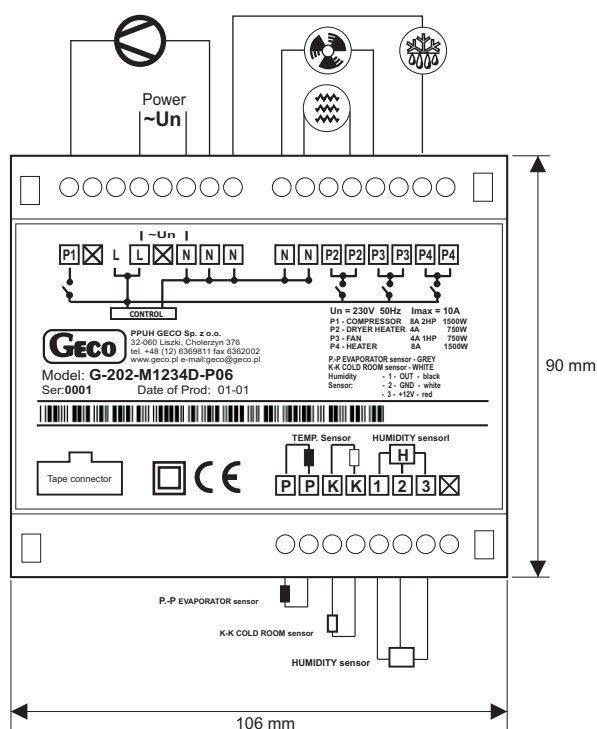
- ON/OFF switch built in
- The control panel working under safe 5V voltage
- 230V network power supply of the executive module (transformer built in)
- Four outputs of relays operating under 230V voltage.
- Two temperature sensors and the door open sensor operating under safe 5V voltage.
- Programmed control of the compressor, the heater, the fan and the humidity control.
- Automatic defrosting of the evaporator.
- Buttons for direct control of the light and defrosting.
- It signals the stage of work of the compressor and whole process of the defrosting.
- Signaling (sound and optical) of damage in circuits of sensors and emergency work.
- Chance to programm and monitor the state of work of the thermostat behind means of the computer.

TECHNICAL DATA

OUTPUT	RELAY	Maksimum constatn carrying capacity		
P1 – Compressor	30A	8A	1500W	2HP
P2 – Humidity control	16A	4A	750W	-
P3 – Fan	16A	4A	750W	1HP
P4 – Defrosting heater	16A	8A	1500W	-

Operating voltage	~230V AC +10% / -15%
Environment Temp.	From +5°C to +45°C
Humidity	From 20% to 80% RH
Protection Level	Ip65 Front side of panel
Sensors type	T1: NTC - range: from -40°C to +60°C T2: NTC - range: od -40°C to +60°C Humidity: - range: 10% RH to 99%RH

SCHEME OF CONNECTIONS



LABELING METHOD

Model Label: **G-202-P06K0x M12xx H**

Sound signal:
B- available; 0- no sound

FAN relay:
3- available; 0 - nie no relay

DEFROSTING HEATER relay:
4- available; 0 - no relay

SET CONTENT

- Thermostat:
- Control panel
 - executive module
 - Tape connecting the control panel with the executive module
 - Two(of ordered length) temperature sensors
 - Humidity sensor

DESCRIPTION

G202-P06 is the controller for cooling counters which has a products drying function.

G202-P06 uses a compressor to stabilize temperature in cold room. The compressor control includes protection against to frequent turning on and off.

After turning a drying mode on, the controller stabilizes humidity.

In defined periods of time device enters the mode of the automatic defrosting of the evaporator. Defrosting has a various run depending on settings of the controller for instance: the drip phase starts after the defrosting phase and the subquenching phase starts after the drip phase.

G202-P06 has the button to turn defrosting on. This button can be used during difficult conditions of the device operation.

Manual and automatic defrosting both have the same run.

The controller has the cut-off switch. After the device is turned off the compressor, the heater, and the fan are turned off too.

User sets the temperature in the cold room in a normal mode, in drying mode and the humidity.

G202-P06 displays the temperature measured with the cold room sensor. User can turn on temporary view of the temperature on the evaporator sensor or view of measured humidity.

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

The controller has service internal parameters that describe its methods of work. These parameters can be programmed by choosing specific mode in the controller or behind means of the computer.

G202-P06 has the connection for communication with the computer. It is possible to control single thermostat as well as whole net of thermostats with the chance to connect and control other thermostats manufactured by GECO.

CASE DIMENSION

