



**OPERATION AND ASSEMBLY MANUAL  
OF SETPOINT EC CONTROL 3V**

## TECHNICAL SPECIFICATIONS

Power setpoint EC	10VDC from the motor EC
Permissible ambient temperature	-20 ÷ 60 [°C]
Level of security	IP 20
The maximum diameter of the wire	6 [mm]
Maximum diameter of the signal wire	0,75 [mm <sup>2</sup> ], max 1 vein for 1 clamp
Control output from regulator	0-10VDC
Cable ducts	2 flexible ducts PPE-06 with a partition

## SETPOINT EC control 3V

### General information

The EC control 3V is used to change the rotational speed of fans with EC motors (EC = electronically commutated). The motors must be equipped with a 0-10V voltage input. The speed regulation consists in setting the appropriate value of the voltage signal. The setter allows you to set up to 3 control voltage values after shorting of the relevant contacts of the room unit. Short-circuiting of contacts may be caused, for example, by cooperation with gas sensors for a garage ventilation system.

**Fan motors must have their own effective protection against overheating of the windings.**

The switch is intended for use by adults who have been properly trained and have the appropriate qualifications.

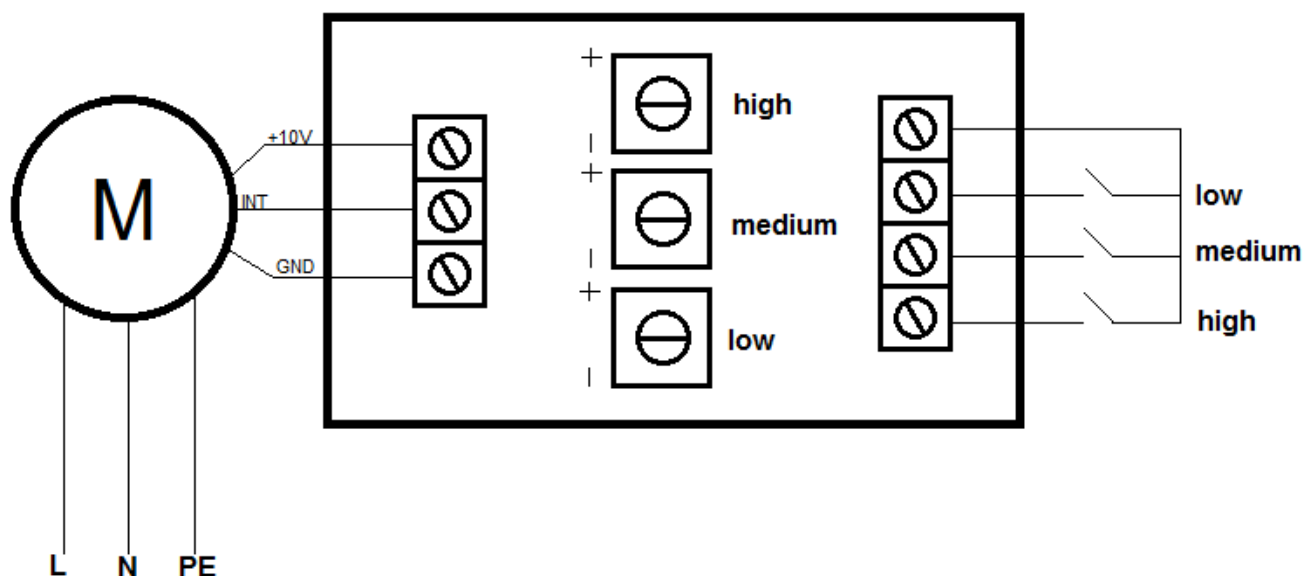
### Assembly

The mounting place should be chosen so as not to expose the device to direct weather conditions. For assembly, remove the cover with 4 screws. Electric wires should be inserted through cable glands placed on both sides of the casing (hole should be made, corresponding to the diameter of the cable, using a sharp tool). After connecting in accordance with the wiring diagram (Diagram 1), check the correctness of connections. Before closing the housing, set the control voltage values. Three potentiometers are used for this (minimum value = 0V, maximum value = 10V). Use a small flat screwdriver to control the potentiometer. To scale the exact voltage value, use the multimeter connected to the relevant inputs of the setter (Diagram 2). After proper setting of potentiometers and correct electrical connection, the enclosure should be tightly closed.

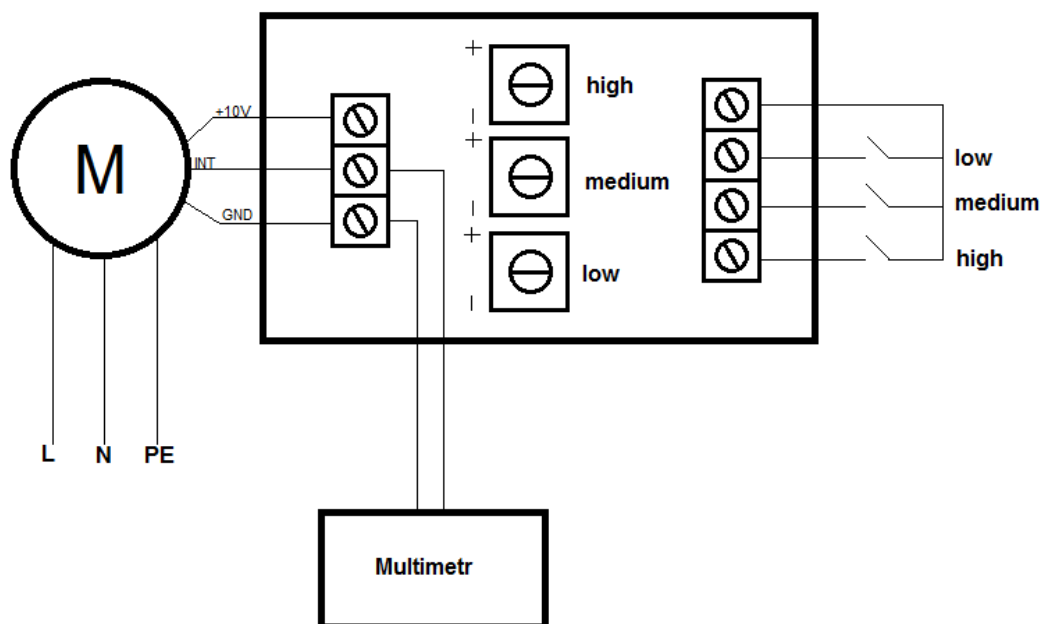
The device may be installed only by qualified and authorized personnel (having valid permissions), in accordance with health and safety

rules, applicable legal regulations in force in Poland and the device operating instructions.

### Scheme 1



### Scheme 2



# Example of integration of the room unit with "GAZEX" gas sensors

