

## REE 050S0 POWER UNIT 0-10V

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### Description

#### Thyristor power unit REE

Stepless phase cutting controller for 1~230V/50Hz motors. It has a connection for an external control signal 0-10V or 4-20mA. The control signal can be chosen by an internal switch. Internal potentiometer to set a min. speed. On/Off Switch with control lamp. White plastic casing IP54. Several motors can be connected in parallel as long as the total current does not exceed the current range. Fans to be used with this controller require a build-in overheating protection and should be designed for thyristor speed control. It is equipped with Modbus RTU communication and provides a wide range of functionalities. For indoor use only.

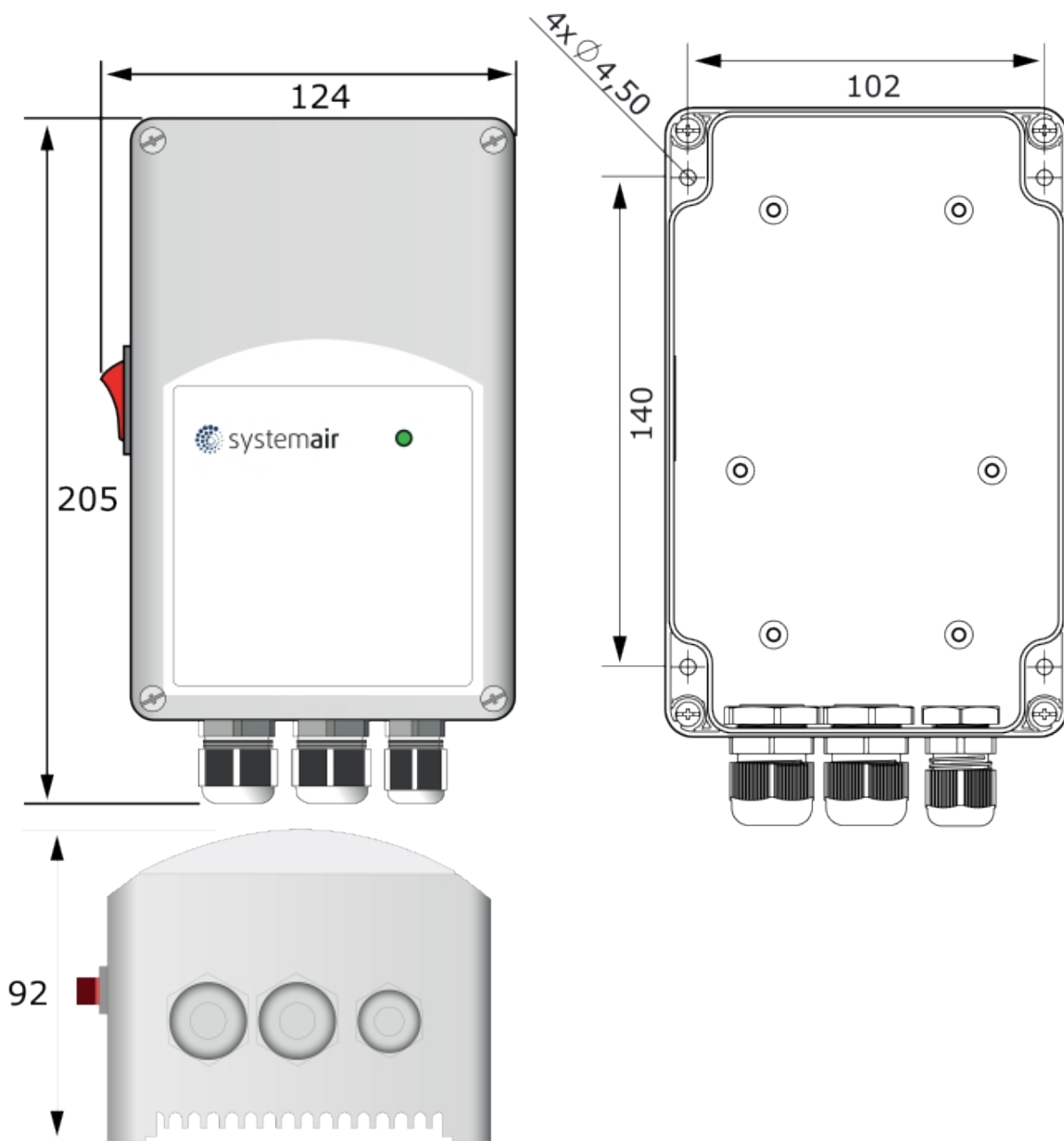
**NOTE: phase cutting controller can make engine noise!**



### Technical parameters

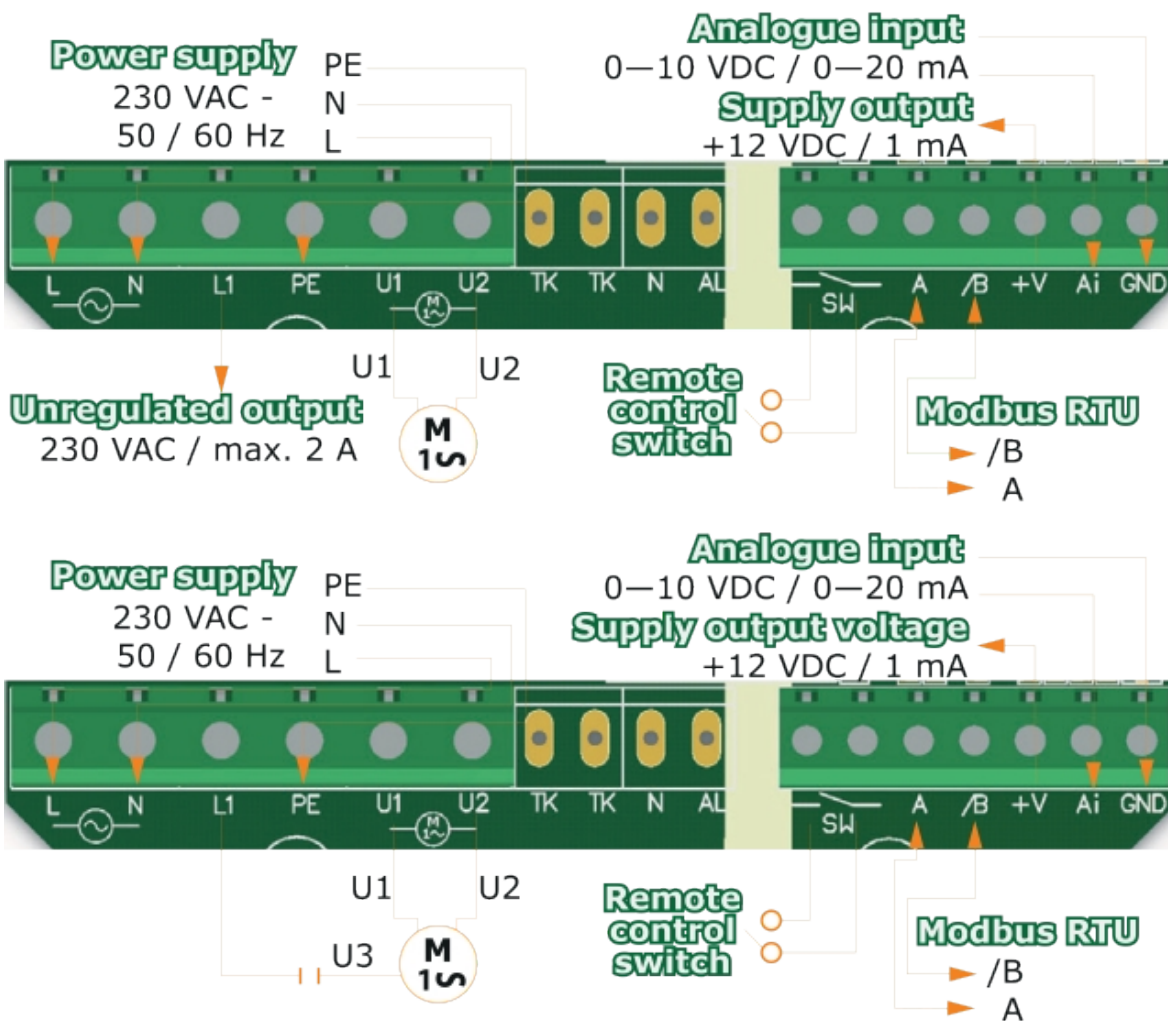
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Control signal	0...10VDC / 4...10mA	
Permitted range for ambient humidity	0-80	%RH
Enclosure class	IP54	
Weight	1	kg

## Dimensions



## Accessories

### Wiring



L	Supply voltage 230 VAC $\pm$ 10 % - 50 / 60 Hz
N	Neutral
PE	Earth terminal
L1	Unregulated output (230 VAC / max. 2 A)
U1, U2	Regulated output to the motor
SW	Remote / timer switch
A	Modbus RTU (RS485) signal A
/B	Modbus RTU (RS485) signal /B
+V	Supply output +12 VDC / 1 mA
Ai	Analogue input (0-10 VDC / 0-20 mA / 10-0 VDC / 20-0 mA) Logic input (Timer functionality) (min. 2,5 VDC and > 30 ms)
GND	Ground
Connections	Cable cross section: max. 2,5 mm <sup>2</sup> Cable gland clamping range: 3–6 mm / 5–10 mm

## Specification text