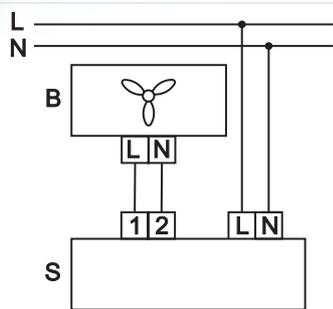


Speed controller RS-...N (V)



Controller wiring diagram

■ Applications

Applied in ventilation systems for speed switching ON/OFF and speed control of the single phase power-controlled motors. Several fans can be controlled synchronously provided that the total current does not exceed the maximum controller current.

■ Design and control

Controller has the plastic casing with the control knob, ON/OFF button and pilot light. The controller is featured with high efficiency and control accuracy. Regulation starts from the minimum fan stable running voltage value to the maximum one. The

minimum rotation speed is set by means of the potentiometer on the PCB.

■ Protection

Input circuit of the speed controller has a thermal fuse for overload protection. The controller is fitted with a transient filter.

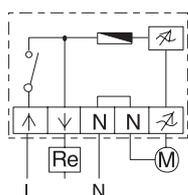
■ Mounting

The controller is designed for indoor wall mounting either on the wall (H modification) or through the wall (V modification).

Technical data

	RS-1 N (V)	RS-1,5N(V)	RS-2 N (V)	RS-2,5N(V)
Voltage [V/50 Hz]	1~230	1~230	1~230	1~230
Rated current [A]	1.0	1.5	2.0	2.5
Overall dimensions LxWxH [mm]	162x80x70	162x80x70	162x80x70	162x80x70
Maximum ambient temperature [°C]	40	40	40	40
Protection rating	IP44	IP44	IP44	IP44
Weight [kg]	0.3	0.3	0.3	0.3

Speed controller RS...PS



Controller wiring diagram

■ Application

Used in ventilation systems for switching on/off and speed control of single-phase fan motors with voltage control.

Several fans can be controlled from the same unit in case the total consumption current does not exceed the permissible controller current value.

■ Design and control

The casing is made of plastic. Equipped with a light indication of the controller operating status. The controller is featured with high efficiency and control accuracy. Start the controller by pressing the button. Regulation starts from the minimum to the maximum voltage value. The maximum speed produces the smoothest rotation. The minimum speed value is set by a variable resistor located at the controller circuit board.

The controller has an additional terminal (230 V) for connecting external equipment.

■ Protection

The input circuit of the speed controller has overload protection. Controller is equipped with a transient filter.

■ Mounting

The controller is suitable for indoor installation on the wall. The versatile casing design allows fan mounting on the wall or inside the wall. Suitable for installation inside the round junction boxes.

Technical data

	RS-0,5-PS	RS-1,5-PS	RS-2,5-PS	RS-4,0-PS
Voltage [V/50 Hz]	1~230	1~230	1~230	1~230
Minimum current [A]	0.05	0.1	0.2	0.4
Maximum current [A]	0.5	1.5	2.5	4.0
Overall dimensions LxWxH [mm]	82x82x65	82x82x65	82x82x65	82x82x65
Maximum ambient temperature [°C]	35	35	35	35
Protection rating	IP44	IP44	IP44	IP44
Weight [kg]	0.16	0.19	0.19	0.26