

Speed controller
RS-...-T



■ **Applications**

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

■ **Design and control**

The controller casing is made of flame-retardant thermoplastic and fitted with ON/OFF knob with pilot light. The controller is featured with high efficiency and control accuracy. Output power is controlled from 30 to 100 % as a function of the control knob position. The minimum speed is set by means of the potentiometer at the PCB. The controller is equipped with an extra 230

V terminal for connection and controlling such external equipment as actuator-driven air dampers.

■ **Protection**

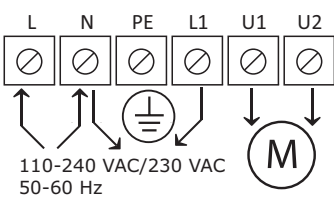
Input circuit of the speed controller has a thermal fuse for overload protection. The controller is fitted with a transient filter.

■ **Mounting**

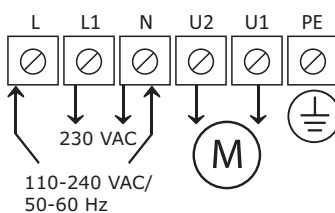
The controller is designed for indoor mounting. Installation shall be performed with respect to the free air circulation for inner circuit cooling. The controller is designed for vertical installation. Do not install the controller above the heaters and in bad air convection areas.

Technical data

	RS-3,0-T	RS-5,0-T	RS-10,0-T
Voltage [V/50(60) Hz]	1~230	1~230	1~230
Minimum current [A]	0.3	0.5	1.0
Maximum current [A]	3	5	10
Overall dimensions LxWxH [mm]	96x162x75	96x162x93	124x205x97
Maximum ambient temperature [°C]	-20...+35	-20...+35	-20...+35
Protection rating	IP54	IP54	IP54
Weight [kg]	0.46	0.62	1.04



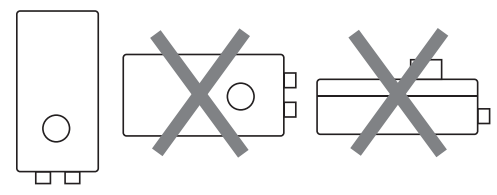
Controller wiring diagram
RS-3,0-T; RS-10,0-T



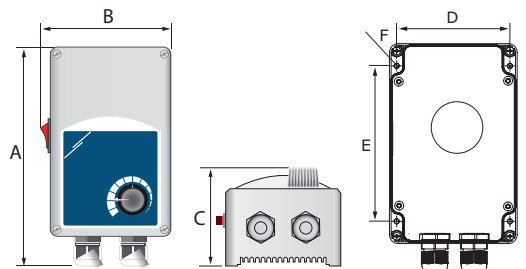
Controller wiring diagram
RS-5,0-T

Wiring diagram and connections

L	Power (230 VAC/50-60 Hz)
N	Neutral
PE	Ground terminal
L1	Non-adjustable output, (230 V/max. 2 A)
U1, U2	Adjustable motor output



Device operating position



	A	B	C	D	E	∅ F
RS-3,0-T	162	96	75	71	108,8	4,2
RS-5,0-T	162	96	93	71	108,8	4,2
RS-10,0-T	205	124	97	102	140	4,6

Overall dimensions [mm]