

# EW6/10

## Electronic fan speed controller, 230 VAC



The EW electronic speed controllers control the speed of single phase (230 VAC / 50 Hz) voltage controllable motors by varying the supplied voltage. There is a potentiometer and a separate ON/OFF switch with a built-in telltale. The allowed minimum speed can be adjusted internally with a little trimmer (factory preset = 100 VAC). There is a 230 VAC unregulated output for a three wire motor connection, valve, lamp, damper, etc. There are two working modes, internally selectable by placing or removing the red jumper on the PCB.

- Kick start:** the motor always starts (or restarts) at max. speed for 8–10 seconds, then the motor speed automatically follows the position of the potentiometer.
- Normal start:** the motor starts according to the position of the potentiometer.

### Key features

- Infinitely variable control
- Minimum speed adjustable by internal trimmer
- Kick start or normal start
- Illuminated on/off switch

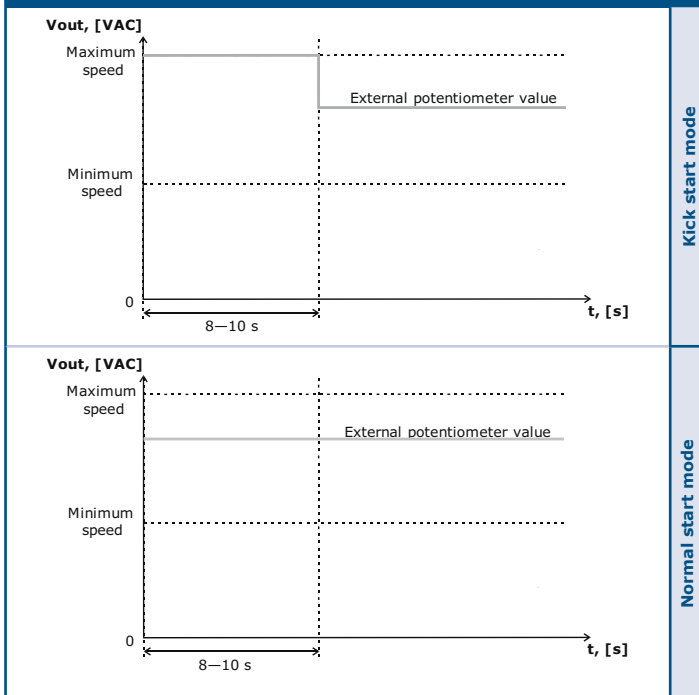
### Technical specifications

Power supply	230 VAC ±10 % / 50 Hz	
Unregulated output	230 VAC, max. 2 A	
Protection standard	IP54 (according to EN 60529)	
Ambient conditions	Temperature	0–35 °C
	Rel. humidity	< 95 % rH (non-condensing)

### Area of use

- Fan speed control of voltage controllable motors in ventilation systems
- For indoor use only

### Operational diagrams



### Article codes

	Rated max. current, [A]	Fuse (5*20 mm), [A]
<b>STL-0-15-AT</b>	1,5	F-3,15 A-H
<b>STL-0-30-AT</b>	3,0	F-5,0 A-H
<b>STL-0-50-AT</b>	5,0	F-8,0 A-H
<b>STL-0-60-AT</b>	6,0	F-10,0 A-H
<b>STL-0100-AT</b>	10,0	(6,3*32) F-16,0 A-H

### Wiring and connections

L	Mains supply, 230 VAC / 50 Hz	
N	Neutral	
L1	Unregulated output (230 VAC / max. 2 A)	
PE	Earth terminal	
M	Regulated output to motor	
N	Neutral	
Connections	Cable cross section	max. 2,5 mm <sup>2</sup>
	Cable gland clamping range	5–10 mm / 8–13 mm

### Standards

- Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC
- WEEE Directive 2012/19/EU
- RoHS Directive 2011/65/EU



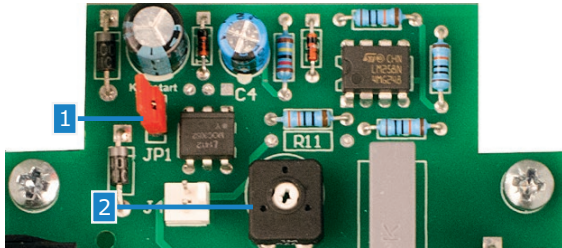
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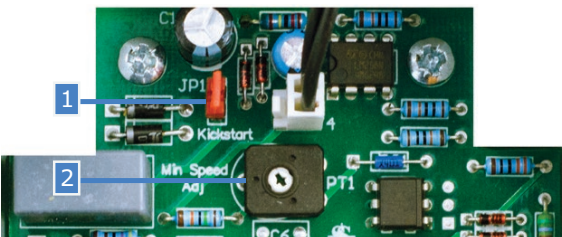


## Settings

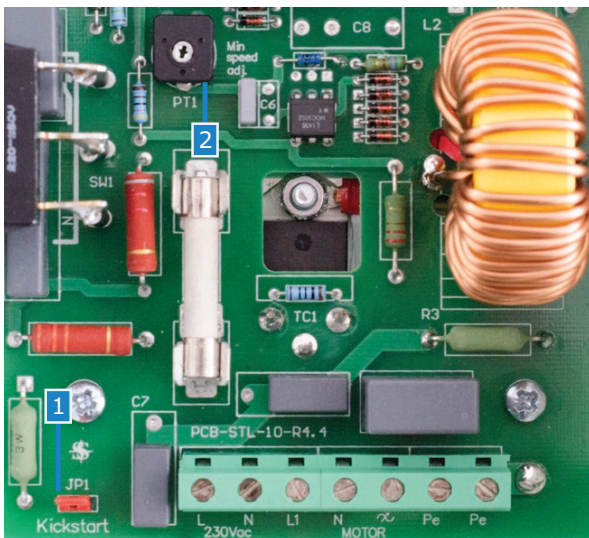
STL-0-15-AT, STL-0-30-AT







STL-0-50-AT



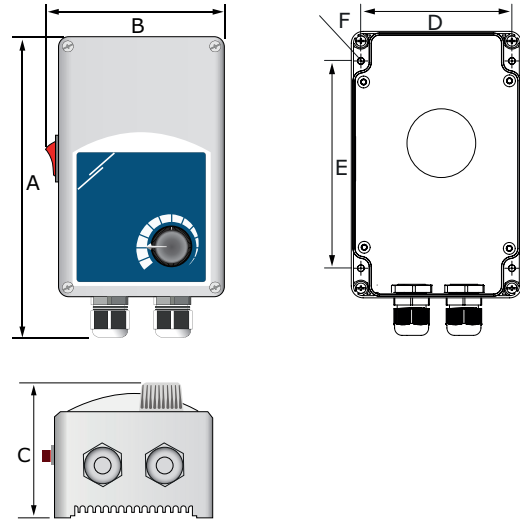
STL-0-60-AT, STL-0100-AT



1. Kick start selection jumper JP1		Kick start is enabled
		Kick start disabled (normal start)
2. Minimum speed trimmer PT1		Adjusts the min. speed (factory preset 100 VAC)

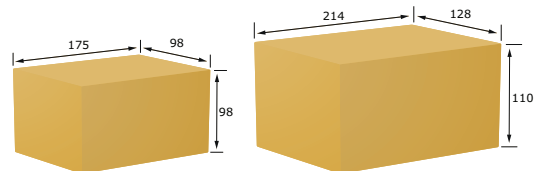
\*  indicates closed position of the jumper.

## Fixing and dimensions



Article code	A	B	C	D	E	F
STL-0-15-AT STL-0-30-AT	162 mm	96 mm	75 mm	71 mm	108,8 mm	Ø 4,2
STL-0-50-AT	162 mm	96 mm	93 mm	71 mm	108,8 mm	Ø 4,2
STL-0-60-AT STL-0100-AT	205 mm	124 mm	97 mm	102 mm	140 mm	Ø 4,6

## Packaging



Article code	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
STL-0-15-AT	Unit (1 pc.)	175	98	95	0,28 kg	0,36 kg
	Box (50 pcs.)	590	380	505	14,0 kg	19,18 kg
STL-0-30-AT	Unit (1 pc.)	175	98	95	0,32 kg	0,40 kg
	Box (50 pcs.)	590	380	505	16,0 kg	21,18 kg
STL-0-50-AT	Unit (1 pc.)	175	98	95	0,48 kg	0,56 kg
	Box (50 pcs.)	590	380	505	24,0 kg	29,18 kg
STL-0-60-AT	Unit (1 pc.)	215	128	110	0,67 kg	0,78 kg
	Box (15 pcs.)	550	410	250	10,05 kg	12,56 kg
STL-0100-AT	Unit (1 pc.)	215	128	110	0,69 kg	0,80 kg
	Box (15 pcs.)	550	410	250	10,35 kg	12,86 kg