

SLM

Electronic fan speed controller, 230 VAC with a light switch



The SLM series are electronic speed controllers with a switch for lighting control at the front of the enclosure. They feature a potentiometer and an illuminated ON/OFF switch. The minimum and maximum speed can be adjusted via trimmers. There is one unregulated 230 VAC output for a three-wire motor connection and one for an electric valve (230 VAC) connection. There are two start modes, selectable via a jumper on the PCB.

- Kick start:** the motor starts (or restarts) at maximum speed for 8–10 seconds; then the motor speed automatically follows the speed set by the position of the potentiometer.
- Soft start:** the motor starts according to the speed set by the position of the potentiometer.

Key features

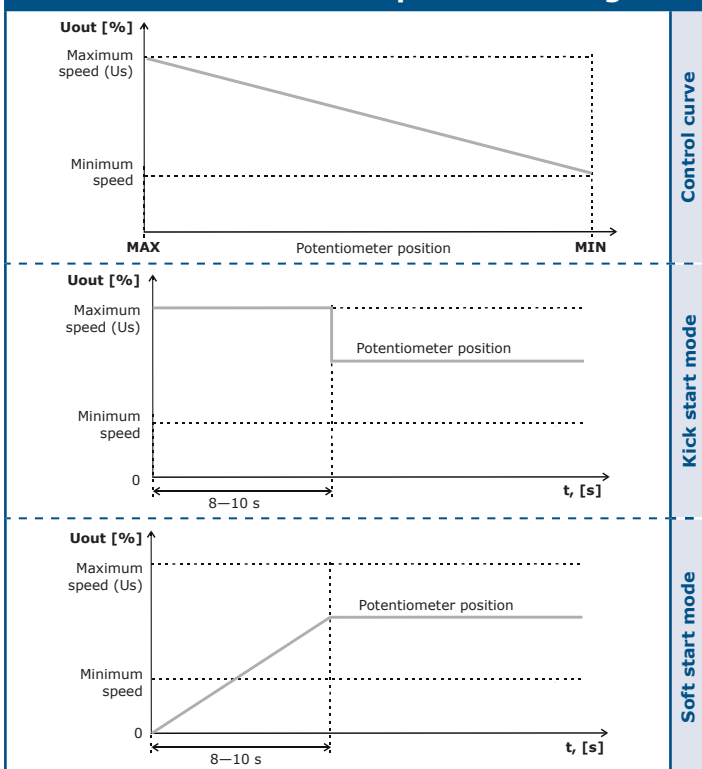
- Infinitely variable control
- Minimum and maximum speed, adjustable by internal trimmers
- Kick start or soft start
- Control (on/off) switch for an external light
- Illuminated on/off switch

Technical specifications

Power supply	230 VAC $\pm 10\%$ / 50 Hz	
Unregulated output	1 x 230 VAC, max. 2 A 1 x 230 VAC, max. 3 A	
Regulated output	70–230 VAC	
Minimum speed setting	70–150 VAC	
Maximum speed setting	170–230 VAC	
Protection standard	IP54 (according to EN 60529)	
Ambient conditions	Temperature	0–35 °C
	Rel. humidity	< 95 % rH (non-condensing)



Operational diagrams



Article codes

	Current rating	Fuse, [A]
SLM-0-60-AT	0,5–6,0 A	F1: F 10,0 A H 250 VAC (5*20 mm) F2: F 5,0 A H 250 VAC (5*20 mm)
SLM-0100-AT	0,5–10,0 A	F1: F 16,0 A H 500 VAC (6*32 mm) F2: F 5,0 A H 250 VAC (5*20 mm)

Area of use

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

Standards

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

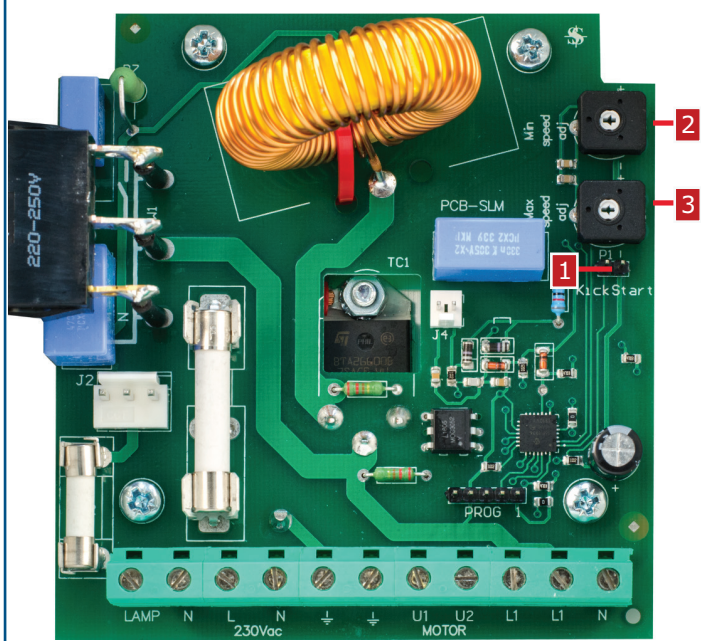


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Settings



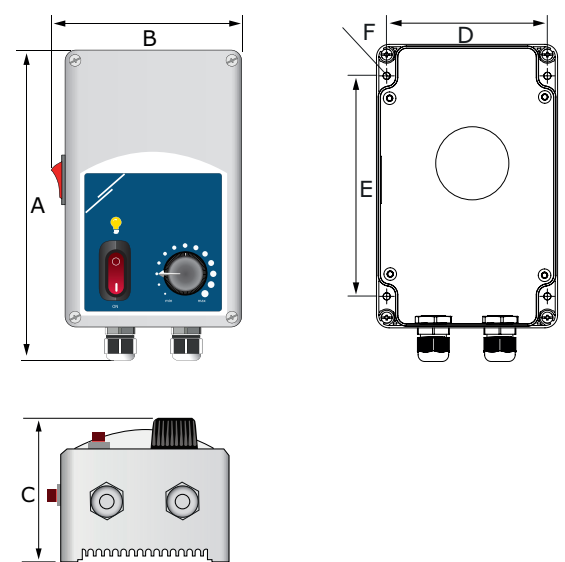
1 - Kick start selection jumper JP1		Kick start is enabled
		Kick start is disabled (normal start)
2 - Min. speed adjustment trimmer		Min. speed adjustment trimmer (70–150 VAC)
3 - Max. speed adjustment trimmer		Max. speed adjustment trimmer (170–230 VAC)

* indicates closed position of the jumper.

Wiring and connections

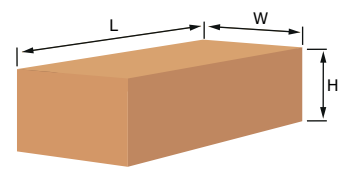
LAMP	Unregulated output (230 VAC / max. 3A)	
N	Neutral	
L, N	Mains supply, 230 VAC / 50 Hz	
PE	Earth terminal	
U1, U2	Regulated output to motor	
L1	Unregulated output (230 VAC / max. 2 A)	
N	Neutral	
Connections	Cable cross section	max. 2,5 mm ²
	Cable gland clamping range	5–10 mm

Fixing and dimensions



Article code	A	B	C	D	E	F
SLM-0100-AT SLM-0-60-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
SLM-0100-AT SLM-0-60-AT	Unit (1 pc.)	220	128	108	0,90 kg	0,99 kg
	Box (15 pcs.)	590	380	505	13,50 kg	14,94 kg