

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.

1. 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.
2. Soft start: the motor starts according to the speed set by the position of the potentiometer.

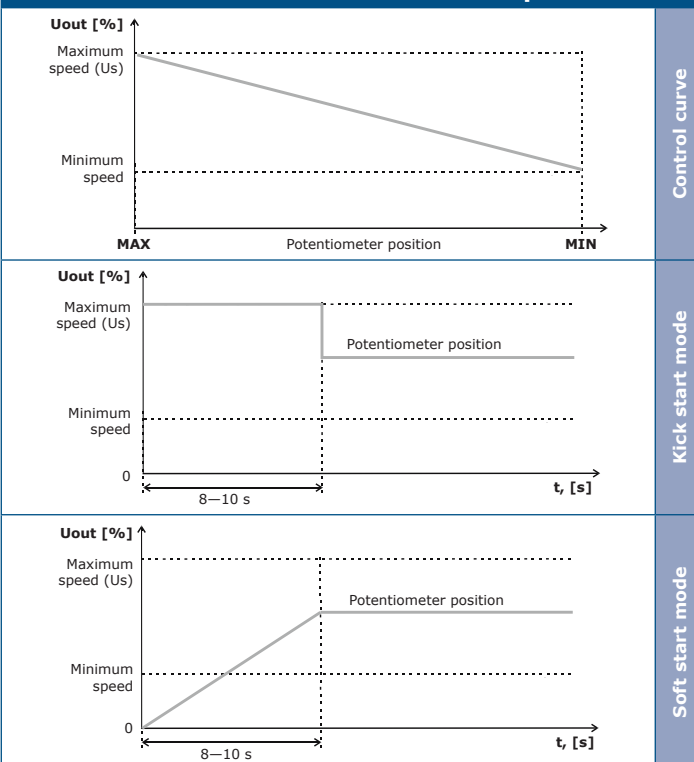
Key features

- 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	
Regulated output	70–230 VAC	
Unregulated output	1 x 230 VAC, max. 2 A 1 x 230 VAC, max. 3 A	
Minimum speed setting	70–150 VAC	
Maximum speed setting	170–230 VAC	
Ambient conditions	Temperature	-20–35 °C
	Relative humidity	5–95 % rH (non-condensing)
Protection standard	IP54 (according to EN 60529)	

Technical specifications



Area of use

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

Article codes

Article code	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)

Standards

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

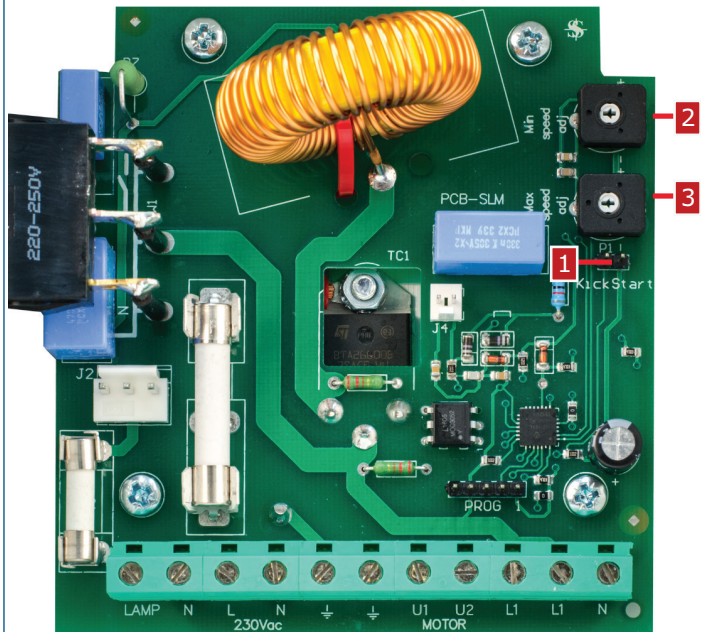


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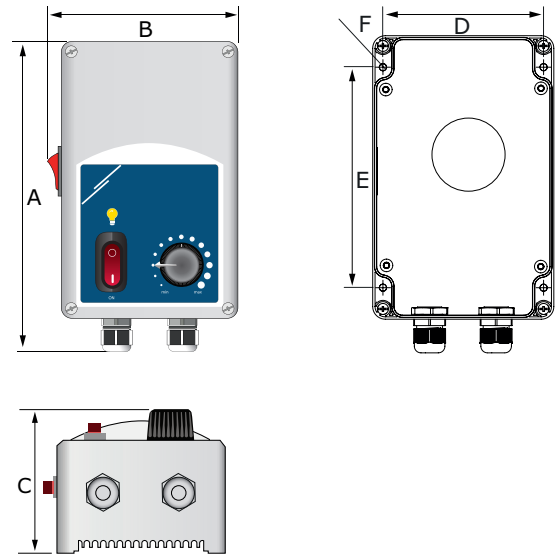
Legend



1 - Kick start selection jumper JP1	 *	Kick start is enabled
		Soft start is enabled
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.

Fixing and dimensions



Article code	A	B	C	D	E	F
SLM-0100-AT	205 mm	124 mm	97 mm	102 mm	140 mm	Ø 4,6
SLM-0-60-AT						

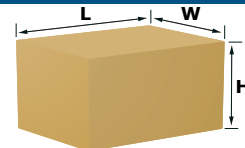
Wiring and connections

LAMP	Unregulated output (230 VAC / max. 3A)	
N	Neutral	
L, N	Mains supply, 230 VAC / 50 Hz	
PE	Protective earth	
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

Global trade item numbers (GTIN)

Packaging	SLM-0-60-AT	SLM-0100-AT
Unit	05401003014608	05401003014615
Box	05401003502907	05401003502914

Packaging



Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
SLM-0-60-AT	Unit (1 pc.)	220	128	108	0,61 kg	0,72 kg
SLM-0100-AT	Box (15 pcs.)	590	380	280	9,22 kg	11,74 kg