

MT

Electronic fan speed controller



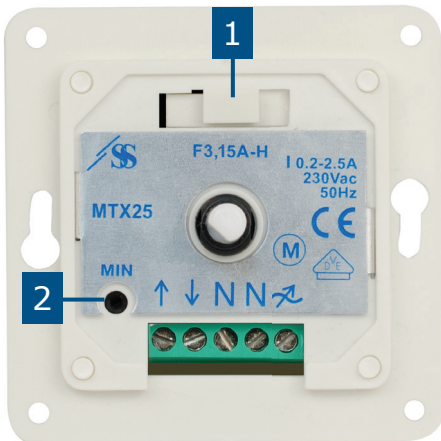
The MT controllers provide manual control of the rotational speed of voltage controllable (230 VAC / 50 Hz) motors by varying the supplied voltage through phase angle control. They are suitable for both inset and surface mounting. Several motors can be connected as long as the current limit is not exceeded. All models have an extra (unregulated) 230 VAC output.

Key features

- Infinitely variable speed control
- Regulation from minimum to maximum speed (MTY) and from maximum to minimum speed (MTX)
- Minimum speed adjustable by internal trimmer
- Fuse 5*20 mm, spare fuse included

Technical specifications

Supply	230 VAC ±10 % / 50 Hz	
Regulated output	80–230 VAC	
Min. speed adjustment	80–180 VAC	
Unregulated output	230 VAC / max. 2 A	
Protection standard	IP44 / IP54 (according to EN 60529)	
Ambient conditions	Temperature	0–35 °C
	Rel. humidity	< 100 % rH (non-condensing)



Article codes

OUTPUT REGULATION FROM MINIMUM TO MAXIMUM

	Rated current range, [A]	Fuse (5*20 mm), [A]
MTY-0-05-AT	0,05–0,5	F-0,63 A-H
MTY-0-15-AT	0,1–1,5	F-2,00 A-H
MTY-0-25-AT	0,2–2,5	F-3,15 A-H
MTY-0-40-AT	0,4–4,0	F-5,00 A-H

OUTPUT REGULATION FROM MAXIMUM TO MINIMUM

	Rated current range, [A]	Fuse (5*20 mm), [A]
MTX-0-05-AT	0,05–0,5	F-0,63 A-H
MTX-0-15-AT	0,1–1,5	F-2,00 A-H
MTX-0-25-AT	0,2–2,5	F-3,15 A-H
MTX-0-40-AT	0,4–4,0	F-5,00 A-H

Settings

1 - Fuse holder		with a spare fuse
2 - Minimum speed adjustment trimmer		Adjusts the min. speed (factory preset 100 VAC)

Wiring and connections

↑	Power supply (230 VAC ±10 % / 50 Hz)
↓	Unregulated output voltage 230 VAC / max. 2 A
N	Neutral
	Regulated output to motor
Connections	Cable cross section: max. 2,5 mm²

Area of use

- Manual control of the motor / fan speed in HVAC applications
- For indoor use only

Standards

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

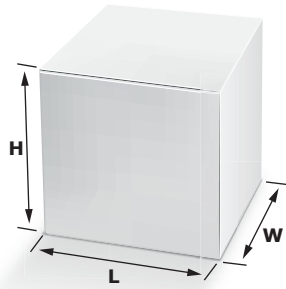




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Packaging



Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
MTX-0-05-AT MTY-0-05-AT	Unit (1 pc.)	95	85	70	0,16 kg	0,19 kg
	Carton (10 pcs.)	492	182	84	1,55 kg	1,99 kg
	Box (60 pcs.)	590	380	280	9,3 kg	12,5 kg
MTX-0-15-AT MTY-0-15-AT MTX-0-25-AT MTY-0-25-AT	Unit (1 pc.)	95	85	70	0,16 kg	0,19 kg
	Carton (10 pcs.)	492	182	84	1,61 kg	2,04 kg
	Box (60 pcs.)	590	380	280	9,7 kg	13 kg
MTX-0-40-AT MTY-0-40-AT	Unit (1 pc.)	95	85	70	0,23 kg	0,26 kg
	Carton (10 pcs.)	492	182	84	2,32 kg	2,79 kg
	Box (60 pcs.)	590	380	280	14 kg	16,9 kg

Fixing and dimensions

