

**Five-step transformer speed controller for the speed control of alternating current fans**

- Can be used for controlling the power of all speed-controllable 1~ alternating current fans.
- Four secondary voltage in the gradations 80 / 100 / 130 / 170 and 230 V (full mains voltage) allow five fan performance levels.
- Multiple different fans can be connected to one control unit until the rated load capacity is reached.

**Advantages**

- Advantageous price/performance ratio.
- Low fault susceptibility.
- Low-loss and low-noise fan operation.
- Uncontrolled output for connection of indicator lights or shutter for MWS-, TSW- (from type TSW 1.5) and STSSW types.

**Surface-mounted unit design**

- Robust ISO casing, light grey, made of break-resistant plastic in protection category IP54. Types from TSW 7,5 and MWS 10 made of steel, lacquered twice, protection category IP54.
- Built-in operating switch for five speeds and activation/deactivation.
- Operation indication via indicator lights.
- Dip impregnated autotransformer T 40 E.
- Design complies with DIN VDE 0550.
- Max. permissible ambient temperature +40 °C.
- Delivered ready for operation, simple connection to terminal board.

**Integral transformer design**

- Mounted terminal block for five voltage taps.
- Mounted angled rails for simple attachment.
- Dip impregnated autotransformer T 40 E.

**Accessories**

Six-step cam switch Type STSSW for switch cabinet installation, with front attachment.

- For surface-mounted installation  
Max. load 0.35 A  
1~ alternating current, 230 V



**Mini speed controller TSW 0.3**  
Compact five-step speed controller with on/off switch for surface installation in dry rooms. Plastic casing, white.

<b>TSW 0.3</b>	Ref. no. 03608
Max. load	0.35 A
Protection category	IP20
Dim. mm	W 160 x H 85 x D 60
Wiring diagram no.	496.1

- For surface-mounted installation  
1~ altern. current, 230 V



**Transformer speed control. TSW**  
For one or more alternating current fans.

Type	Ref. no.	I max. A	Dim. mm		
			B	H	T
<b>TSW 1.5<sup>1)</sup></b>	01495	1.5	115	205	100
<b>TSW 3.0<sup>2)</sup></b>	01496	3.0	170	255	140
<b>TSW 5.0<sup>2)</sup></b>	01497	5.0	170	255	140
<b>TSW 7.5<sup>2)</sup></b>	01596	7.5	200	305	140
<b>TSW 10<sup>2)</sup></b>	01498	10.0	300	325	185

Wiring diagram no. <sup>1)</sup> 1494 <sup>2)</sup> 1495

- For switch cabinet installation  
1~ alternating current, 230 V



**Speed contr. transformer TSSW**  
Integral transformer with foot rails and terminal block for 5 voltage taps.

Type	Ref. no.	I max. A	Dim. mm		
			B	H	T
<b>TSSW 1.5</b>	06520	1.5	78	90	78
<b>TSSW 3</b>	06521	3.0	84	94	92
<b>TSSW 5</b>	06522	5.0	105	111	87
<b>TSSW 10</b>	06523	10.0	120	122	112

Wiring diagram no. 268

- With motor protection circuit breaker  
1~ alternating current, 230 V  
For surface-mounted installation



**Five-step operating switch STSSW**  
Accessory for control transformer TSSW for 230 V, 1~ fans. For switch cabinet installation with front attachment and front plate. connections are recessed.

<b>STSSW</b>	Ref. no. 00234
Voltage	230 V
Max. load	2.2 kW
Dim. mm	W 48 x H 48 x D 102
Wiring diagram no.	1470



**Transformer speed controller MWS with motor protection circuit breaker**  
Five-step speed controller with integrated triggering device for 230 V, 1~ fans. For connection of external thermal contacts on terminal board. Connection of multiple fans possible up to the rated load. All fans deactivated when thermal contact reacts. With step switch and indicator lights. Recommissioning after fault or mains disconnection via "0" position.

Type	Ref. no.	I max. A	Casing IP54 made of	Dim. mm			Wiring diagram
				W	H	D	
<b>MWS 1,5</b>	01947	1.5	Plastic	115	205	100	1488
<b>MWS 3</b>	01948	3.0	Plastic	170	255	140	1489
<b>MWS 5</b>	01949	5.0	Plastic	170	255	140	1489
<b>MWS 7,5</b>	01950	7.5	Plastic	200	305	140	1489
<b>MWS 10</b>	01946	10.0	Steel	300	325	185	1489