

■ **Five step transformer speed controller for speed controlling of 1 ph. alternating current fans**

- Suitable for power control of all speed controllable 1 ph. alternating current fans.
- Four secondary voltages stepped in 80 / 100 / 130 / 170 and 230 V (full mains voltage) allow to control 5 fan speeds.
- A number of different fans can be connected to one controller up to its nominal load.

■ **Advantages**

- Good cost effectiveness.
- Reliable.
- Low loss and low noise fan operation.
- MWS-, TSW- (from the model TSW 1.5) and STSSW models with full power output for connection with the signal lamp or shutter.

■ **Design for surface mounting units**

- Robust ISO casing, light grey, made of impact resistant polymer. Protection to IP 54.
- Built-in operating switch for five speed steps and on/off function.
- Operation display via control lamp.
- Fully impregnated transformers T 40 E.
- Conforms to DIN VDE 0550.
- Max. permitted ambient temperature +40 °C.
- Delivered ready for installation, simple connection to terminal block.

■ **Design for built-in transformers**

- Built-up terminal block for five voltage outputs.
- Attached fixing brackets for simple fixture.
- Fully impregnated transformers T 40 E.

□ **Accessories**

Six step cam switch, model STSSW for switch board installation, with front mounting plate.

For surface mounting
Max. load 0.35 A
1 ph. alternating current, 230 V

For surface mounting
1 ph. alternating current, 230 V

For switchboard installation
1 ph. alternating current, 230 V

With motor full protection facility
1 ph. alternating current, 230 V
For surface mounting

Mini speed controller TSW 0.3

Compact five step speed controller with on/off switch for surface mounting in dry rooms. Polymer casing, white.

Type TSW 0.3 **Ref. no. 3608**

max. load 0,35 A
Protection to IP 20
Dimensions mm W 160 x H 85 x D 60
Wiring diagram no. SS-496.1



Transformer speed contr. TSW

For one or more alternating current fans.

Type	Ref. no.	I max. A	Dim. in mm			
		A	B	H	T	
TSW 1.5 ¹⁾	1495	1.5	154	200	79	
TSW 3.0 ¹⁾	1496	3.0	154	200	148	
TSW 5.0 ²⁾	1497	5.0	200	254	167	
TSW 7.5 ²⁾	1596	7.5	200	254	167	
TSW 10 ²⁾	1498	10.0	200	254	167	

Wiring diagram no. ¹⁾ SS-960 ²⁾ SS-437.1

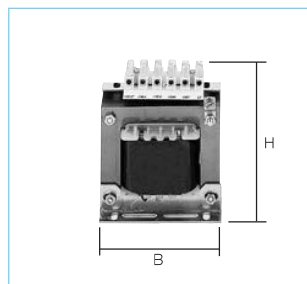


Speed control transformer TSSW

Built-in transformer with rail and terminals for 5 output voltages.

Type	Ref. no.	I max. A	Dim. in mm			
		A	B	H	T	
TSSW 1.5	6520	1.5	78	90	78	
TSSW 3	6521	3.0	84	94	92	
TSSW 5	6522	5.0	105	111	87	
TSSW 10	6523	10.0	120	122	112	

Wiring diagram no. SS-268



Five step operating switch STSSW

Accessory for control transformer TSSW for 230 V, 1 ph. fans. For switchboard installation with front fixing and front panel. Connections are deepened.

Type STSSW **Ref. no. 0234**

Voltage AC 3, 230 V
max. load 2,2 kW
Installation depth 70 mm, □ 46 mm
Wiring diagram no. SS-548



Transformer speed controller MWS with motor full protection facility

Five step speed controller with integrated tripping unit for 230 V, 1 ph. fans.

To connect thermal contacts wired to the terminal box. A number of fans can be controlled up to the nominal load.

If a thermal contact trips all fans will be disconnected.

Step switch and control lamp included. Restarting via "0" position after interference or power cut off.



Type	Ref. no.	I max. A	Casing IP 54 made of	Dimensions in mm			Weight kg
				W	H	D	
MWS 1.5	1947	1.5	Polymer	200	254	98	3.0
MWS 3	1948	3.0	Polymer	200	254	98	4.0
MWS 5	1949	5.0	Polymer	200	254	167	5.3
MWS 7.5	1950	7.5	Polymer	236	316	188	10.0
MWS 10	1946	10.0	Polymer	236	316	188	13.5

Connection according to wiring diagram no. SS-440.4