



Transformator snelheidsregelaar 3 fase

Five-step transformer speed controller for the speed control of three-phase current fans

- Can be used for controlling the power of all speed-controllable 3~ three-phase current fans, in large steps for Υ/Δ switchable types.
- Four secondary voltage in the gradations 80 / (115)* / 140 / 200 / 280 and 400 V (full mains voltage) allow five fan performance levels.
* internally switchable for voltage-controllable, explosion-proof rectangular duct and roof fans for TSD.
- 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 RDS-, TSD- types.

■ Surface-mounted unit design

- Robust ISO casing, light grey, made of break-resistant plastic, protection category IP54.
- Types TSD and RDS 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, protection class II.
- Design complies with DIN VDE 0550.
- Max. permissible ambient temperature +40 °C.
- Delivered ready for operation, simple connection to terminal board.

■ Integral transformer design

- Two autotransformers in V circuit allow the function described above.
- Mounted terminal block for five voltage taps.
- Mounted angled rails for simple attachment.
- Dip impregnated autotransformer T 40 E.
- Contactors and wiring on site.

- For surface-mounted installation
3~ three-phase current,
400 V



- With motor protection circuit breaker
3~ three-phase current, 400 V
For surface-mounted installation



Transformer speed control. TSD

Like TSW, but for 3~ fans.

Type	Ref. no.	I max. A	Dim. mm		
			B	H	T
TSD 0,8⁹⁾	01500	0.8	325	300	185
TSD 1,5⁹⁾	01501	1.5	325	300	185
TSD 3,0⁹⁾	01502	3.0	425	300	185
TSD 5,5⁹⁾	01503	5.5	425	300	235
TSD 7,0⁹⁾	01504	7.0	425	300	235
TSD 11,0⁹⁾	01513	11.0	420	400	235

Wiring diagram no. 1491

Transformer speed controller RDS with motor protection circuit breaker

Five-step speed controller with integrated thermal contact triggering device for 3~, 400 V three-phase current 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			Weight aprx. kg
				B	H	T	
RDS 1⁹⁾	01314	1.0	Steel	325	300	175	8.9
RDS 2⁹⁾	01315	2.0	Steel	325	300	185	11.2
RDS 4⁹⁾	01316	4.0	Steel	425	300	235	13.0
RDS 7⁹⁾	01578	7.0	Steel	425	300	235	21.2
RDS 11	01332	11.0	Steel	430	400	235	37.9

Design according to VDE 0550, dip impregnated transformer in V circuit.
Max. perm. ambient temp. +40 °C. Wiring diagram no. 1490.