

Mounting instructions

Speed controller for one phase voltage controllable motors.

Technical data

Voltage	230 Vac - 50/60 Hz
Current range	Fuse
STRS1-08.22: 0,8 A	F T-1,5 A
STRS1-15.22: 1,5 A	F T-2,0 A
STRS1-25.22: 2,5 A	F T-2,5 A
STRS1-35.22: 3,5 A	F T-5,0 A
STRS1-50.22: 5,0 A	F T-8,0 A
STRS1-75.22: 7,5 A	F T-10,0 A
Enclosure	RABS, V0-UL94, grey
STRS-1100.22: 10,0 A	F T-14,0 A
STRS-1130.22: 13,0 A	F T-18,0 A
Enclosure	Sheet steel 1,5 mm
STRS-1160.20: 16,0 A	F T-25,0 A
STRS-1200.20: 20,0 A	F T-30,0 A
Enclosure	metal

These transformer speed controllers are based on the principle of voltage control with auto-transformers. They are applicable to voltage-controllable motors (230 V - 50/60 Hz) to control the speed (of fans, pumps, etc.). When choosing a controller it is important to know the current intensity consumption on the taps.

Mounting

The controllers are to be mounted vertically on a smooth surface. Connect voltage supply, motor(s) and earth as shown in the scheme with cables of the proper diameter and in accordance with local regulations. On the mains side, a safety switch with recommended pre-fuses has to be installed.

Standard configuration is 1: Grey:110, 2: violet:140, 3: orange:170, 4: brown:190, 5: red:230V. Output voltages can be reconfigured by switching the fastons on the PCB. Recommended pre-fuse: ca 1,5 x Itrafo. If TK-TK is not operational: Connect TK-TK!!

Transport and stock keeping

Avoid shocks. Stock In original packing. Avoid extreme conditions.

Warranty

Two years from delivery date against defects in manufacturing. Any modifications or alterations to the product relieve the manufacturer of all responsibility.

The manufacturer bears no responsibility for any misprints or mistakes in this data, and modifications or improvements to the product can be made at any time after date of publication.

Maintenance

In normal conditions the controllers are maintenance-free. If soiled clean with dry or dampish cloth. In case of heavy pollution clean with a non-aggressive product. In these circumstances the controller should be disconnected from the mains. Pay attention that no fluids enter the controller. Only reconnect the controller to the mains when it is completely dry.

Motor protection

The schemes with TK provide an excellent protection for motors equipped with thermal contacts. These controllers lay a control circuit over the motors built-in thermal contacts. When these contacts open due to motors overheating, this circuit is broken and the controller instantly stops the motor. There is no automatic restart!!! After eliminating the course of overheating one can reset by putting the switch in "Off" postion for a few moments.



All works may only be carried out by skilled personnel following the local regulations and AFTER the controller is completely separated from the mains. Replace fuse only with same type and rating.





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STRS1



RS1-08.22 115 205 100 98 140 1,8 kg RS1-5.22 115 205 100 98 140 2,2 kg RS1-5.22 115 205 100 98 140 2,4 kg RS1-35.22 170 255 140 155 194 5,0 kg RS1-52.22 170 255 140 155 194 5,0 kg RS1-52.22 170 255 140 155 194 5,0 kg RS1-52.24 170 255 140 155 194 5,0 kg RS1-52.25 200 305 140 155 194 5,0 kg RS1-52.25 200 305 140 155 140 153 143 RS1-102.26 300 325 185 215 16,9 kg RS-1106.20 300 425 235 255 14,9 kg RS-1202.20 300 430 235 255 21,5 kg <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
RS1-15.22 115 205 100 98 140 2,2 kg RS1-25.22 115 205 100 98 140 2,4 kg RS1-35.22 170 255 140 155 194 5,0 kg RS1-52.22 170 255 140 155 194 5,8 kg RS1-75.22 200 305 140 155 194 5,8 kg RS1-75.22 200 305 140 155 194 5,8 kg RS1-75.22 300 325 140 155 194 5,8 kg RS1-102.23 300 325 140 155 13,2 kg RS-1102.24 300 325 185 255 16,9 kg RS-1102.25 300 425 235 255 14,9 kg RS-1102.24 300 420 235 255 15,1 kg RS-1202.24 300 430 235 255 21,5 kg	RS1-08.22	115	205	100	98	140	1,8 kg
RS1-25.22 115 205 100 98 140 2,4 kg RS1-35.22 170 255 140 155 194 5,0 kg RS1-50.22 170 255 140 155 194 5,8 kg RS1-75.22 200 305 140 155 194 5,8 kg RS1-75.22 300 325 140 153 236 8,3 kg RS-110.22 300 325 185 255 13,2 kg RS-1130.22 300 325 185 255 16,9 kg RS-1160.20 300 425 235 255 18,9 kg RS-1202.02 300 430 235 255 21,5 kg	RS1-15.22	115	205	100	98	140	2,2 kg
RS1-35.22 170 255 140 155 194 5,0 kg RS1-50.22 170 255 140 155 194 5,8 kg RS1-75.22 200 305 140 183 236 8,3 kg RS-170.22 300 325 185 255 13,2 kg RS-110.23 300 325 185 255 16,9 kg RS-110.24 300 425 235 255 18,9 kg RS-110.24 300 425 235 255 14,9 kg RS-110.24 300 425 235 255 14,9 kg RS-110.24 300 420 235 255 14,9 kg	RS1-25.22	115	205	100	98	140	2,4 kg
RS1-50.22 170 255 140 155 194 5,8 kg RS1-75.22 200 305 140 183 236 8,3 kg RS-1100.22 300 255 185 255 13,2 kg RS-1130.22 300 325 185 255 16,9 kg RS-1160.20 300 425 235 255 18,9 kg RS-1200.20 300 430 235 255 21,5 kg	RS1-35.22	170	255	140	155	194	5,0 kg
RS1-75.22 200 305 140 183 236 8,3 kg RS-1100.22 300 325 185 255 13,2 kg RS-1130.22 300 325 185 255 16,9 kg RS-1160.20 300 425 235 255 18,9 kg RS-1200.20 300 430 235 255 21,5 kg	RS1-50.22	170	255	140	155	194	5,8 kg
RS-1100.22 300 325 185 255 13,2 kg RS-1130.22 300 325 185 255 255 16,9 kg RS-1160.20 300 425 235 255 356 18,9 kg RS-1200.20 300 430 235 255 355 21,5 kg	RS1-75.22	200	305	140	183	236	8,3 kg
RS-1130.22 300 325 185 255 16,9 kg RS-1160.20 300 425 235 255 355 18,9 kg RS-1200.20 300 430 235 255 355 21,5 kg	RS-1100.22	300	325	185	255	255	13,2 kg
TRS-1160.20 300 425 235 255 355 18,9 kg TRS-1200.20 300 430 235 255 355 21,5 kg	RS-1130.22	300	325	185	255	255	16,9 kg
TRS-1200.20 300 430 235 255 355 21,5 kg	RS-1160.20	300	425	235	255	355	18,9 kg
	RS-1200.20	300	430	235	255	355	21,5 kg

A B C D E weight