

8. Transformer based controller for 1~ motors
8.1.1-GB 5-step controller for voltage controllable fans

Type: **R-E-1.5 ... 14G**

Examples of applications for controlling 1~ fans in 5-steps

Manual 5-step speed change-over of one or more 1~ fans e. g. in:
 heat exchangers (as warm-air heaters), hoods, ventilation of rooms.

The additional voltage output 230 V (terminals 1 and 2) is activated, if fan runs at step 1, 2, 3, 4 or 5. It can be used e. g. for a signal lamp or damper control.

Equipment

Enclosed version IP 54

Transformer based controllers for voltage controllable 1~ fans

- 5-step switch for manual speed control
- Integrated power on lamp
- Automatic switch on after power failure
- For motors with thermocontacts we recommend that each fan is equipped with a separate motor protection device type S-ET10 (see data sheet 3.1.1)



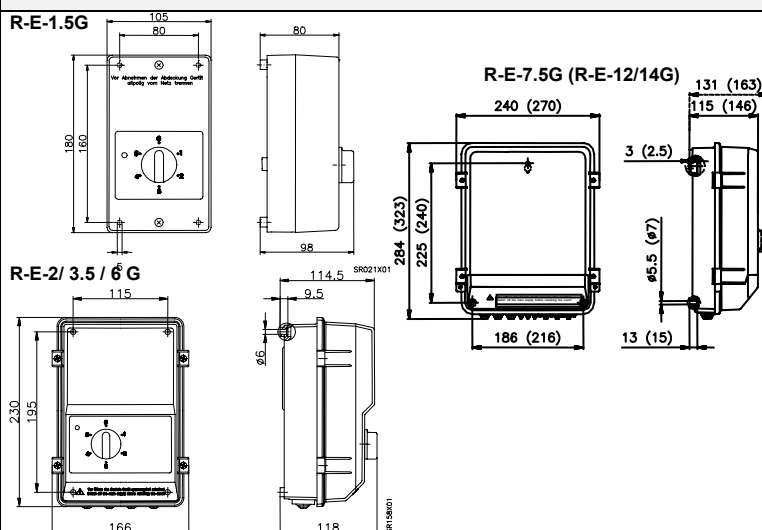
Technical data

- Line voltage 1~ 230 V, 50/60 Hz
- Output voltage 65 V - 110 V - 135 V - 170 V - 230 V
- Max. load additional contact 1 A
- Max. ambient temperature + 40° C

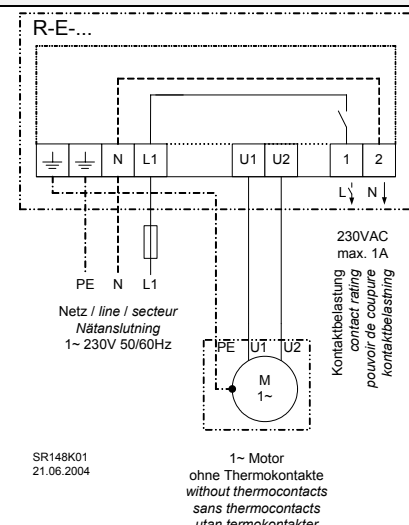
- R-E-1.5.. 6: plastic housing light grey RAL 7035
- R-E-1.5G: all-ABS
- R-E-2/3.5/6G: top ABS, bottom Wellamid
- R-E-7.5G.. R-E-14G: housing top ABS plastic light grey RAL7035 bottom aluminium die casting

| Type | Part-No. | Rated current | Max. line fuse | Max. heat dissipation | Protection | Weight |
|----------|----------|---------------|----------------|-----------------------|------------|---------|
| R-E-1.5G | 302001 | 1.5 A | T4 A | approx. 20 W | IP54 | 2.0 kg |
| R-E-2G | 302047 | 2.0 A | T4 A | approx. 20 W | IP54 | 2.2 kg |
| R-E-3.5G | 302048 | 3.5 A | T4 A | approx. 30 W | IP54 | 3.5 kg |
| R-E-6G | 302049 | 6.0 A | T8 A | approx. 35 W | IP54 | 5.0 kg |
| R-E-7.5G | 302053 | 7.5 A | T8 A | approx. 40 W | IP54 | 6.0 kg |
| R-E-9G | 302055 | 9.0 A | T16 A | approx. 50 W | IP54 | 10.5 kg |
| R-E-12 | 302056 | 12.0 A | T20 A | approx. 80 W | IP21 | 10.5 kg |
| R-E-14G | 302057 | 14.0 A | T20 A | approx. 105 W | IP54 | 12.5 kg |

Dimension sheet [mm]



Connection diagram



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