

TRD Series three-phase transformer controllers



General remarks: The TRD series of transformer controllers for three phase AC fans and motors provide energy saving speed control without the creation of additional motor noise which you get with most electronic controllers. Vacuum impregnation also reduces electrical noise from the transformers themselves. Available for total load current of up to 14 Amps, a rotary switch selects one of 5 different voltages.

The standard product has a simple fan/motor connection without provision for thermal overload protection. Use of a separate motor protection device is recommended.

Specifications:

- Output voltage steps: 3 x 140/180/230/280/400 V
- Unregulated 230V switched output for dampers etc.
- Vacuum-resin impregnated transformers
- Conforms to EN61558-1 / IEC61558-1, and EN61558-2-13 / IEC61558-2-13

Nominal data	Supply voltage	Max output	Thermal overload protection	Weight	Max. ambient temp	Protection rating	Width	Height	Depth	Mounting hole spacing	Mounting hole diameter
Type		A		kg	°C		mm	mm	mm	mm	mm
TRD1	400V 50/60Hz	1.0	No	6.6	40	IP54	160	200	150	144 x 98	5.5
TRD2	400V 50/60 Hz	2.0	No	9.5	40	IP21*	230	305	165	266 x 187.5	6.0
TRD4	400V 50/60 Hz	4.0	No	11.5	40	IP21*	230	305	165	266 x 187.5	6.0
TRD7	400V 50/60 Hz	7.0	No	21.0	40	IP21*	230	305	165	266 x 187.5	6.0
TRD14	400V 50/60 Hz	14.0	No	34.5	40	IP21*	310	385	165	266 x 187.5	6.0

Subject to alterations Illustration above left to right: IP54 version—1 Amp (Plastic enclosure RAL7035); IP21 version—2 Amps and above (Sheet steel enclosure RAL7032)
* IP21 when installed vertically - otherwise IP20

Wiring diagram

