

## THREE PHASE TRANSFORMER SPEED CONTROLLERS TGRT



SEVERAL FANS CONNECTION  
TO ONE CONTROLLER

FAN THERMAL CONTACTS CONNECTION

Transformer controllers are designed to change motor rotating speed by changing voltage. All controllers are with motors and transformers thermo protection function. 3 phase controllers are with power supply fault protection. Then power supply recovered, controller did not switch on previous step until is switched OFF and ON to desired step. Steps are with fix voltage and are changed with rotary switch. Controllers also have power indication led. All controllers have 230 VAC output for connection servo motors, actuators, heaters relays and etc. To one controller more than one motor can be connected, if total current of all controllers is less than maximum controller current. In this case all motors thermo protections must be connected in series.

Type	Max. Current [A]	Voltage [V]	Dimensions [mm]	Weight [kg]
TGRT 1	1.0	400V/50Hz	335x245x133	6,3
TGRT 2	2.0	400V/50Hz	335x245x133	8,1
TGRT 3	3.0	400V/50Hz	335x245x133	10,7
TGRT 4	4.0	400V/50Hz	335x245x133	14,6
TGRT 5	5.0	400V/50Hz	300x290x160	18,7
TGRT 7	7.0	400V/50Hz	365x320x190	24,7
TGRT 11	11.0	400V/50Hz	365x320x190	34,1
TGRT 14	14.0	400V/50Hz	365x320x190	37,2

### TECHNICAL DATA

- Input 400V / 50Hz
- 5 steps: 400V / 270V / 220V / 170V / 130V
- Casing protection rating - IP 44
- Enclosure: Plastic (TGRT 1-4) / steel sheet, powder coated (TGRT 5-14)
- Max. ambient temperature +40°C
- Auto-transformer completely impregnated with resin, 2 transformers
- 5-step switch and operating lamp
- Additional connection for servo motor 230V / 50Hz, 0,5A
- Full motor protection, re-set is locked through thermal contacts lead out of the motor
- Speed controllers conform with LST EN 600335-1:2003+A11:2004+A12:2005+A12:2006+A2:2007 standards and are CE marked.