

THYRISTOR (TC) HEATER BATTERY CONTROLLERS



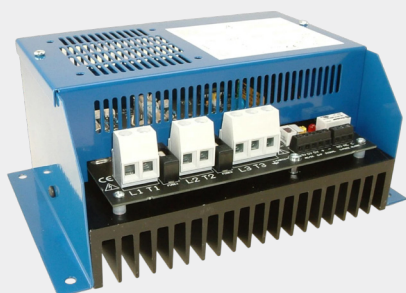
TC1-4



TC1-6



TC3-12



TC3-27

OVERVIEW

The Flamefast range of HVAC Thyristor Controllers provide seamless control of single and three phase resistive loads. These burst firing control stacks use fast pulse zero volts switching technology, to minimise flicker and eliminate RFI issues.

With the majority of sizes self-powered, they also incorporate selectable 0-5/10V and 4-20mA control, and an automatic-reset over temperature protection trip, integral semiconductor fuses and heatsink, and status relays on all units over 27kW.

KEY FEATURES

- 24V AC/DC Supply & Self-powered (ex 12kW & 18kW DIN)
- LED Status Indication
- Zero Voltage Switching
- Auto-reset Over Temperature Protection
- Two-Thirds Control Technology
- Internal Thyristor Fuse Protection (ex 12kW & 18kW DIN)
- DIN Rail Mount from 2.5 to 18kW
- Enclosed Panel Mount for 27kW Upwards
- No Additional Heatsink required
- 0-5/10V or 4-20mA Control Input
- UK Manufactured

PART NUMBERS & COMMON ACCESSORIES

PART NO

TC1-2.5
TC1-4
TC1-6
TC3-12
TC3-18
TC3-27
TC3-36
TC3-54
TC3-86
TC3-105

DESCRIPTION

Thyristor Controller (DIN Mount) - 1 Phase - 2.5kW
Thyristor Controller (DIN Mount) - 1 Phase - 4kW
Thyristor Controller (DIN Mount) - 1 Phase - 6kW
Thyristor Controller (DIN Mount) - 3 Phase - 12kW
Thyristor Controller (DIN Mount) - 3 Phase - 18kW
Thyristor Controller (Panel Mount) - 3 Phase - 27kW
Thyristor Controller (Panel Mount) - 3 Phase - 36kW
Thyristor Controller (Panel Mount) - 3 Phase - 54kW
Thyristor Controller (Panel Mount) - 3 Phase - 86kW
Thyristor Controller (Panel Mount) - 3 Phase - 105kW

PART NUMBER	RATING		Ph	MOUNT	OP TEMP	THERM C/OUT	SELF POWER	24V AC/DC	FUSED	DIMENTION (H x W x Dmm)	WEIGHT (KG)
TC1-2.5	2.5kW	10.9A	1	DIN	35°C	90°C	•		•	83 x 75 x 94	0.28
TC1-4	4kW	17.4A	1	DIN	35°C	90°C	•		•	105 x 78 x 94	0.28
TC1-6	6kW	25A	1	DIN	65°C	90°C	•		•	112 x 96 x 85	0.70
TC3-12	12kW	17A	3	DIN	40°C	90°C		•		217 x 87 x 90	0.60
TC3-18	18kW	25A	3	DIN	40°C	90°C		•		217 x 87 x 110	0.95
TC3-27	27kW	38A	3	Panel	40°C	90°C	•	•	•	150 x 240 x 100	2.60
TC3-36	36kW	50A	3	Panel	65°C	90°C	•	•	•	120 x 155 x 200	2.60
TC3-54	54kW	75A	3	Panel	65°C	90°C	•	•	•	120 x 155 x 250	3.50
TC3-86	86kW	120A	3	Panel	65°C	90°C	•	•	•	130 x 250 x 275	5.20
TC3-105	105kW	146A	3	Panel	65°C	90°C	•	•	•	130 x 250 x 275	5.20