

TE200A Three Phase Two Leg DIN Rail Mounted SCR Power Controller



The TE200A is an SCR Power Controller designed for general purpose three phase applications using three wire resistive loads. Two of the three phases are switched by the TE200A, the third being directly connected. It is an ideal solution for systems requiring analog inputs and giving two-leg zero cross fired power control. The TE200A is robust, compact, convenient and reliable, ideal for OEM's and users in such volume applications as plastics, heat treatment, paper and paint drying, environmental chambers and foods.

Ordering codes

TE200A	1	2	3	4	5
6	7	8	9	10	00

Spare fuses see page 3-47.

1 Current

Rating	
16A	16 amps
25A	25 amps
50A	50 amps
63A	63 amps*

* Fan cooled (13VA)

2 Line to Line Voltage

200V	200volts	400V	400 volts
230V	230 volts	415V	415 volts
240V	240 volts	440V	440 volts
277V	277 volts	480V	480 volts
380V	380 volts	500V	500 volts

3 Fan Supply

000	NONE (below 63A)
115V	115 volts
230V	230 volts

4 Input

0V5	0 to 5V
0V10	0 to 10V
4mA20	4 to 20mA

5 Firing Mode

FC	Burst firing
FC1	Single cycle

6 Mounting

BKD	Bulkhead
DIN	DIN rail

7 Manual

ENG	English
FRA	French
GER	German
ITA	Italian

8 Option

115	Auxiliary 115V*
230	Auxiliary 230V*

*Auxiliary supply option required only for voltages not shown in voltage selection box.

9 Fuse

FUSE	2 fuses + holders
MSFUSE	2 Microswitch fuses + holder
NOFUSE	No fuses or holders

8 Label

-	Eurotherm
99/AX144	Barber-Colman

For non standard voltages specify the next highest from voltage table and choose auxiliary supply option

External fuses and holders may be ordered separately, see pages 3-47 to 3-49.

Features

- 16-63 amps, 120-500V
- 3 ϕ resistive loads (2 legs)
- LED status indicator
- analog input

Specifications

Dimensions:

16-50A: 189H x 116W x 131D mm, 2.3kg

63A: 195H x 116W x 131D mm, 2.9kg

Load type:

Resistive three wire, three phase load (two phases switched)

Operating temperature:

0 to 45°C, 5 to 95% RH, non-condensing

Mounting:

Symmetrical DIN rail or bulkhead

Cooling:

Natural convection for 16-50A, fan cooling for 63A

Fuses:

External - order separately. Not recommended for short wave infrared loads

Inputs:

DC Current: 4-20mA, input impedance 250k Ω

DC Voltage: 0-5Vdc or 0-10Vdc, input impedance 100 Ω

Potentiometer: 100 Ω (supplied by 5V user voltage, 0-5Vdc input)

Firing mode:

Zero crossing firing with LED indication of status. Single Cycle or Burst Firing

Options:

Aux. power supply 115Vac or 230Vac