



The 470 Series true power controllers are used when it is difficult to measure the process variable or where power regulation is critical. They control mean-squared load voltage or current or power (V x I). Many selectable inputs, firing options and control modes are available. The model 260 diagnostic unit is available for commissioning and troubleshooting.

Ordering codes

1	2	3	4	5	6	7
8	9	10	00			

1 2 Basic Product

Model	Current	Notes
470	113	75A max
471	117	125A max *
471	110	150A max * †
472	000	Driver only

* Fan cooled (23VA)

† Requires external fuseholder and fuse -see page 3-47.

Higher current units available using Driver and external SCRs. Consult Eurotherm Controls.

3 Voltage

10	110 volts
11	115 volts
12	220 volts
13	240 volts
22	380 volts
23	415 volts
28	440 volts
15	480 volts
29	500 volts

4 Auxiliary Supply

19	115 and 230V
43	380, 400V, 415V and 230V
47	440 and 230V
44	500 and 230V

5 Nominal Current

081	15A	Model 470
082	25A	Model 470
083	40A	Model 470
062	55A	Model 470
113	75A	Model 470
114	100A	Model 471
117	125A	Model 471
100	150A	Model 471
000	External scrs	Model 472

Features

- 15–150 amps, 500Vac max.
- selectable input
- selectable firing mode
- partial load failure detection
- true power control

Specifications

Dimensions:

470	249H x 170W x 236D mm, 3.5kg
471	282H x 170W x 236D mm, 5kg
472	249H x 115W x 236D mm, 2.5kg

Load type:

resistive (fixed or variable), transformer coupled or inductive

Inputs:

DC Voltage: 0-5V, 1-5V, 0-10V, input impedance > 100K Ω

DC Current: 0-5mA, 0-10mA, 0-20mA, 4-20mA, input impedance 250 Ω

Firing mode:

single cycle, fast cycle, fast cycle with soft start, slow cycle, phase angle (with current limit)

Operating temperature:

0 to 45°C

6 Input Signal

008	0-5VDC
068	1-5VDC
060	0-10VDC
069	0-5mA
071	0-10mA
072	0-20mA
073	4-20mA

8 Control Mode

28	True Power (V x I)
26	V ²
29	I ²

9 Language

ENG	English
FRA	French
GER	German

10 Options

55	Current Limit (Phase Angle or Phase Angle Start only)
83	PLF closed in alarm (open as standard)
69	60Hz
76	No backplate

Fuses internal except for 150A unit, see pages 3-47 to 3-49.