

# 425A

## Single Phase SCR Power Controller



The rugged, reliable and safe 425A Solid State Contactor extends single phase power control to 125A in a variety of voltages. This heavy duty unit is ideal for high and low temperature coefficient resistive loads, transformer coupled loads and all infrared loads. The 425A is available in a broad range of firing modes, inputs, and useful options, and features voltage feedback compensation. It can be back-of-panel or DIN Rail mounted.

### Features

- 15–125 amps, 500Vac max.
- DIN rail or panel mounting
- zero cross or phase angle firing modes

### Specifications

#### Ratings:

**Current:** 15A, 25A, 40A, 63A, 75A, 100A, 125A

**Voltage:** 120V, 240V, 415V, 440V, 480V, 500V

#### Dimensions:

15A:	134H x 98W x 94D mm, 0.6kg
25A:	134H x 98W x 130D mm, 0.8kg
40A:	134H x 116W x 155D mm, 1.2kg
63A:	134H x 116W x 155D mm, 1.2kg
75A:	190H x 117W x 190D mm, 2.0kg
100A:	190H x 117W x 190D mm, 2.0kg
125A:	190H x 117W x 190D mm, 2.0kg

#### Load type:

resistive (fixed or variable), short wave infrared or inductive

#### Inputs:

**DC voltage:** 0-5V (70K), 1-5V (75K), 0-10V (85K)

use 0-5V for manual control

**DC current:** 0-5mA (impedance 1K),

0-10mA (imp. 470Ω),

0-20mA (imp. 270Ω)

4-20mA (imp. 270Ω)

#### Firing mode:

fast cycle, single cycle, slow cycle and phase angle (with optional current limit)

#### Operating temperature:

0 to 45°C

#### Mounting:

Panel, symmetrical or asymmetrical DIN rail

### Ordering codes

425A	1	2	3	4	5
6	7	8	9	00	

External fuses ordered separately, see page 3-47.

1 Current	
15A	15 amps
25A	25 amps
40A	40 amps
63A	63 amps
75A	75 amps
100A	100 amps*
125A	125 amps*

\* Fan cooled (fan consumption 15 watts)

2 Voltage	
120V	120 volts
240V	240 volts
440V	440 volts
480V	480 volts
500V	500 volts

3 Auxiliary Supply	
100V	100 volts
110V120	110 to 120 volts
200V	200 volts
220V240	220 to 240 volts

4 Input	
0V5	0-5 volts
1V5	1-5 volts
0V10	0-10 volts
0mA5	0-5 mA
0mA10	0-10 mA
0mA20	0-20 mA
4mA20	4-20 mA

5 Firing Mode	
PA	Phase angle
FC	Fast cycle
FC1	Single cycle
SC	Slow cycle

6 Language	
ENG	English
FRA	French
GER	German

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

7 Option	
—	No current limit
CL	Current limit (PA only)

8 Filter	
-	No filter
FILT	Filter (for FC, FC1 and SC firing modes)

9 Fuse	
FUSE	Fuse without microswitch
MSFU	Fuse with microswitch
NONE	No fuse