

## SERIES 1 240 VAC

A2450F

Panel Mount SSR 280V ac 50A, 90-280V ac In, ZC



- Load current 10 - 125 A
- Operating voltage 24-280 VAC
- Control voltage 90-280 VAC, 4-32 VDC and 18-36 VAC



### PRODUCT DESCRIPTION

Crydom's signature family of solid state relays. Ratings from 10A to 40A @ 24-140 VAC, 12A to 90A @ 80-530 VAC and 10A to 125A @ 24-280 VAC - SCR output for heavy industrial loads - AC or DC control - zero voltage (resistive loads) or random-fire (inductive loads) output - LED input status indicator optional.

- Ratings from 10A to 125A @ 24-280 VAC
- SCR output for heavy industrial loads
- Zero voltage or instantaneous turn-on outputs
- UL/CSA/VDE Approved, CE Compliant to EN60950-1
- Improved SEMS screw and washer
- Redesigned housing with anti-rotation barriers
- AC or DC control
- Direct bond copper substrate
- EMC compliant to Level 3
- Direct power lead frame
- Epoxy free design

### TECHNICAL DATA

#### OVERVIEW

|                 |                      |
|-----------------|----------------------|
| Output current  | 50 A                 |
| Output voltage  | 24-280V ac           |
| Control voltage | 90-280V ac           |
| Connection      | Quick Mount          |
| Type of control | Zero voltage turn on |

OUTPUT SPECIFICATION

|                 |            |
|-----------------|------------|
| Output voltage  | 24-280V ac |
| Number of poles | 1          |

INPUT SPECIFICATION

|                   |            |
|-------------------|------------|
| Control voltage   | 90-280V ac |
| Input current min | 5 mA       |
| Input current max | 10 mA      |

GENERAL SPECIFICATION

|                             |         |
|-----------------------------|---------|
| Temperature operational min | -40 °C  |
| Temperature operational max | 80 °C   |
| Storage temperature max     | 125 °C  |
| Storage temperature min     | -40 °C  |
| Weight                      | 74.9 g  |
| Height                      | 57.3 mm |
| Width                       | 44.5 mm |
| Depth                       | 33.4 mm |
| LED indication              | N/A     |



