

## SERIES 1 120 VAC

A1240E  
 Panel Mount SSR 140V ac 40A 18-36V ac ZC



- Load current 10, 25 and 40A
- Operating voltage 24-140 VAC
- Control voltage 90-280 VAC, 3-32 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 40A @ 24-140 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

|                        |                      |
|------------------------|----------------------|
| <b>Output current</b>  | 40 A                 |
| <b>Output voltage</b>  | 24-140V ac           |
| <b>Control voltage</b> | 18-36V ac            |
| <b>Type of control</b> | Zero voltage turn on |

#### OUTPUT SPECIFICATION

|                        |            |
|------------------------|------------|
| <b>Output voltage</b>  | 24-140V ac |
| <b>Number of poles</b> | 1          |

## INPUT SPECIFICATION

|                        |           |
|------------------------|-----------|
| <b>Control voltage</b> | 18-36V ac |
|------------------------|-----------|

## GENERAL SPECIFICATION

|                                    |         |
|------------------------------------|---------|
| <b>Temperature operational min</b> | -40 °C  |
| <b>Temperature operational max</b> | 80 °C   |
| <b>Storage temperature max</b>     | 125 °C  |
| <b>Storage temperature min</b>     | -40 °C  |
| <b>Weight</b>                      | 74.9 g  |
| <b>Height</b>                      | 57.3 mm |
| <b>Width</b>                       | 44.5 mm |
| <b>Depth</b>                       | 22.6 mm |

