



CMD/CMA SERIES

AC OUTPUT PANEL MOUNT SOLID STATE RELAYS

MOUNTING INSTRUCTIONS^(A)

Please read all installation instructions before using your CMD/CMA Series Solid State Relay (SSR).

Choose one of the two mounting options and follow the instructions.

Mounting on Heat Sink

Select adequate heat sink (see thermal derating curves).^(A)

- Be sure to use thermal pad or thermal compound between the SSR and the selected heat sink.
- CMD/CMA Series Relay mounting slots have a diameter of 0.17 in (4.3 mm). Two screws are needed (not included) to mount the SSR onto heat sink (See fig. 1).
- Before applying full torque, tighten down all 2 screws until they contact the baseplate. Then, tighten them to 8-14 in-lbs (1.1-1.5 Nm)
- For optimal thermal performance heat sink fins should be oriented vertically to promote natural airflow.

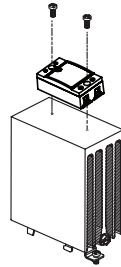


fig. 1 CMD/CMA Series SSR mounted on heat sink^(A)

Mounting on Panel

Locate the panel section on which the CMD/CMA Series SSR will be mounted. Panel mount surface must be clean, bare metal and provide adequate heat sinking capability.^(A)

- Be sure to use thermal pad or thermal compound between the SSR and the panel.
- CMD/CMA Series Relay mounting slots have a diameter of 0.17 in (4.3 mm). Two screws are needed (not included) to mount the SSR onto panel.
- Before applying full torque, tighten down all 2 screws until they contact the baseplate.
- Then, tighten them to 8-14 in-lbs (1.1-1.5 Nm).

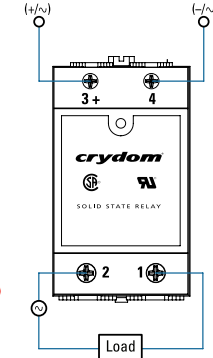
^(A) For maximum ratings use heat sink ratings shown in CMD/CMA series derating curves (see product datasheet).

ORDERING OPTIONS

Series	CM	A	24	25	E	P	-10
Control Voltage							
A: AC (90-140V)							
D: DC (4-32V)							
Operating Voltage							
24: 24-280 VAC							
Load Current							
25: 5 Amps							
50: 10 Amps							
75: 75 Amps							
90: 90 Amps							
110: 110 Amps							
125: 125 Amps							
Input Range							
Blank: Standard Input							
E: 18-36 VAC							
Termination							
Blank: No Internal Overvoltage Protection							
P: Internal Overvoltage Protection							
Switching Mode							
Blank: Zero cross Turn-on							
-10: Random Turn-On							

— Required for valid part number
 For options only and not required for valid part number

WIRING DIAGRAM



Wire Size

Maximum wire size of AWG #8 (8.4mm) for input and output terminals.

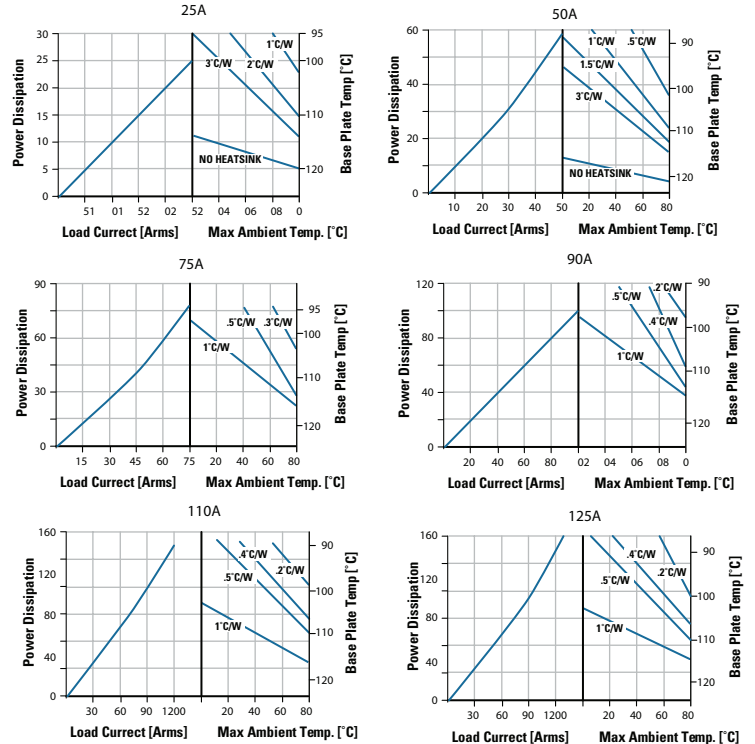
Connections

Ensure that wire ends are stripped to minimum length of 0.4 in (10 mm).

Recommended Screw Torque Range

5-6 in-lbs (0.6-0.7 Nm) on input and 10-15 in-lbs (1.1-1.7 Nm) on output terminations

THERMAL DERATE INFORMATION



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