

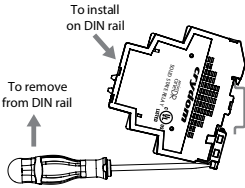
## SERIES ONE DR

AC & DC OUTPUT SINGLE CHANNEL & AC OUTPUT DUAL CHANNEL SOLID STATE RELAYS

### INSTALLATION INSTRUCTIONS

Please read all installation instructions before using SeriesOne DR SSRs.

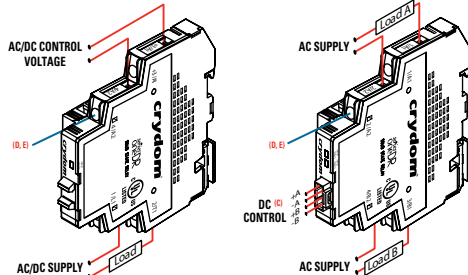
- Install the relay on the DIN rail (as shown in drawing).
- Wire the relay to the input side. AWG #22 minimum, AWG #16 maximum (0.3-1.3 mm<sup>2</sup>). Temperature rating of 111°C.
- Wire the relay to the output side. AWG #22 minimum (0.3 mm<sup>2</sup>), AWG #14 (2.1 mm<sup>2</sup>) x 2 or AWG #12 (3.3 mm<sup>2</sup>) x 1 (standed/solid) maximum. Temperature rating of 111°C.
- Maximum recommended terminal screw torque input 4.4 lb-in (0.5 Nm) & output 7 lb-in (0.8 Nm).
- If multiple units are installed be sure to follow derating curves (reverse side of this sheet).



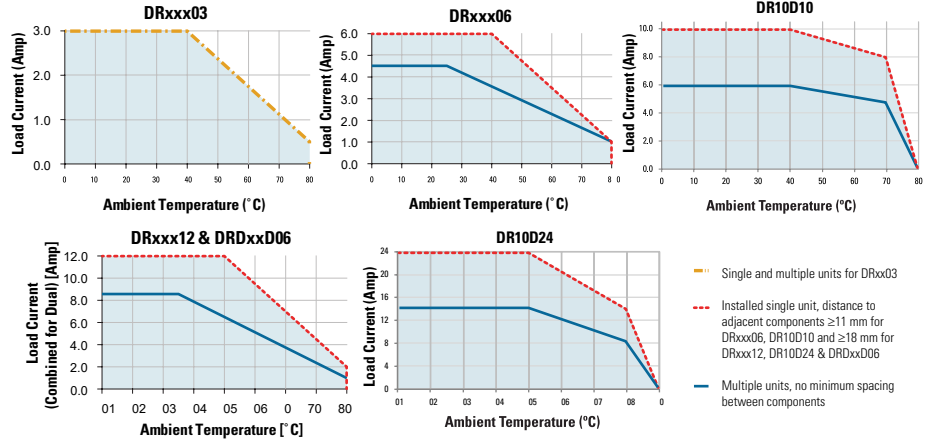
### WIRING DIAGRAM (B)

For Single Channel Version

For Dual Channel Version



### DERATING CURVES (B)



### GENERAL NOTES

- (A) Not all combinations of ratings are available.
- (B) No grounding wire required. DC inductive loads must be diode suppressed.
- (C) 4 Pin connector for dual channel output only. Mating connector: MOLEX 050579404 or equivalent.
- (D) 4 Terminal screws Pozidrive #1, 3/16 in (4.8 mm).
- (E) Minimum wire insulation strip length 0.20 in (5.1 mm), maximum 0.28 in (7.1 mm).
- (F) THIS EQUIPMENT IS OPEN-TYPE DEVICE AND IS MEANT TO BE INSTALLED IN AN ENCLOSURE SUITABLE FOR THE ENVIRONMENT SUCH THAT THE EQUIPMENT IS ONLY ACCESSIBLE WITH THE USE OF A TOOL. SUITABLE FOR USE IN CLASS I, DIVISION 2, GROUPS A, B, C AND D HAZARDOUS LOCATIONS, OR NON-HAZARDOUS LOCATIONS ONLY. **WARNING** - EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT WHILE THE CIRCUIT IS LIVE OR UNLESS THE AREA IS KNOWN TO BE FREE OF IGNITABLE CONCENTRATIONS. **WARNING** - EXPLOSION HAZARD - SUBSTITUTION OF ANY COMPONENT MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.



# ORDERING OPTIONS (E, F)

## Single Channel (A)

	DR	06	D	12	R
<b>Series</b>					
<b>DR</b>					
<b>Operating Voltage</b>					
<b>06:</b> 1-60 VDC <b>10:</b> 1-100 VDC <b>24:</b> 24-280 VAC <b>48:</b> 48-600 VAC					
<b>Control Voltage</b>					
<b>D:</b> 4-32 VDC <b>A:</b> 200-265 VAC (AC Output Only) <b>B:</b> 90-140 VAC (AC Output Only) <b>E:</b> 18-36 VAC (AC Output Only)					
<b>Rated Load Current</b>					
<b>03:</b> 3 Amps <b>06:</b> 6 Amps <b>10:</b> 10 Amps (100 VDC only) <b>12:</b> 12 Amps <b>24:</b> 24 Amps (100 VDC only)					
<b>Switching Type</b>					
<b>Blank:</b> Zero Voltage Turn-On (AC Output Only) <b>R:</b> Instantaneous Turn-On (AC Output, D suffix Only)					

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

## Dual Channel

	DRD	24	D	06	R
<b>Series</b>					
<b>DRD</b>					
<b>Operating Voltage</b>					
<b>24:</b> 24-280 VAC <b>48:</b> 48-600 VAC					
<b>Control Voltage</b>					
<b>D:</b> 4-32 VDC					
<b>Rated Load Current</b>					
<b>06:</b> 6 Amps					
<b>Switching Type</b>					
<b>Blank:</b> Zero Voltage Turn-On (AC Output Only) <b>R:</b> Instantaneous Turn-On (AC Output, D suffix Only)					

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

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