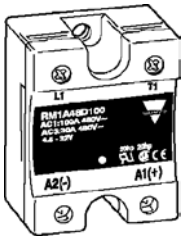


SCR Zero Switching Relays

— NEW —

- ▶ Green LED Indicator
- ▶ Protective Touch Safe Cover
- ▶ Built-In MOV Protection
- ▶ Direct Copper Bonding and SMD Technology
- ▶ No Internal Mechanical Stress (No Potting)
- ▶ AC and/or DC Control Voltage
- ▶ Up to 100 Amp Switching Capability
- ▶ Up to 660 VAC Switching
- ▶ Up to 1600 Vp Non-Repetitive Voltage



Zero switching solid state relays offering up to 1600 Vp non-repetitive peak voltage. They provide high current carrying capabilities for operational voltages up to 660 VAC. Normally open, back-to-back SCR outputs are utilized in the output circuitry to reduce leakage current. UL recognized, CSA certified, CE compliant.

4.5-32 VDC Control Voltage

| Stock No. | Mfr.'s Type | Line VAC | Amps  | EACH   |       |       |
|-----------|-------------|----------|-------|--------|-------|-------|
|           |             |          |       | 1-4    | 5-9   | 10-24 |
| 251-0090  | RM1A23D25   | 42-265   | 25 A  | 30.00  | 28.50 | 27.00 |
| 251-0091  | RM1A23D50   | 42-265   | 50 A  | 34.00  | 32.30 | 30.60 |
| 251-0092  | RM1A23D75   | 42-265   | 75 A  | 55.00  | 52.25 | 49.50 |
| 251-0093  | RM1A23D100  | 42-265   | 100 A | 80.00  | 76.00 | 72.00 |
| 251-0094  | RM1A48D25   | 42-530   | 25 A  | 36.00  | 34.20 | 32.40 |
| 251-0095  | RM1A48D50   | 42-530   | 50 A  | 41.00  | 36.90 | 34.33 |
| 251-0096  | RM1A48D75   | 42-530   | 75 A  | 60.00  | 54.00 | 48.60 |
| 251-0097  | RM1A48D100  | 42-530   | 100 A | 88.00  | 83.60 | 79.20 |
| 251-0098  | RM1A60D25   | 42-660   | 25 A  | 42.00  | 39.90 | 37.80 |
| 251-0099  | RM1A60D50   | 42-660   | 50 A  | 50.00  | 47.50 | 45.00 |
| 251-0100  | RM1A60D75   | 42-660   | 75 A  | 78.00  | 74.10 | 70.20 |
| 251-0101  | RM1A60D100  | 42-660   | 100 A | 100.00 | 95.00 | 90.00 |

24-180 VDC or 24-265 VAC Control Voltage

|          |            |        |       |        |        |       |
|----------|------------|--------|-------|--------|--------|-------|
| 251-0102 | RM1A23A25  | 42-265 | 25 A  | 31.00  | 29.45  | 27.90 |
| 251-0103 | RM1A23A50  | 42-265 | 50 A  | 35.00  | 33.20  | 31.50 |
| 251-0104 | RM1A23A75  | 42-265 | 75 A  | 57.00  | 54.15  | 51.30 |
| 251-0105 | RM1A23A100 | 42-265 | 100 A | 90.00  | 85.50  | 81.00 |
| 251-0106 | RM1A48A25  | 42-530 | 25 A  | 40.00  | 38.00  | 36.00 |
| 251-0107 | RM1A48A50  | 42-530 | 50 A  | 45.00  | 42.75  | 40.50 |
| 251-0108 | RM1A48A75  | 42-530 | 75 A  | 65.00  | 61.75  | 58.50 |
| 251-0109 | RM1A48A100 | 42-530 | 100 A | 99.00  | 94.05  | 89.10 |
| 251-0110 | RM1A60A25  | 42-660 | 25 A  | 50.00  | 47.50  | 45.00 |
| 251-0111 | RM1A60A50  | 42-660 | 50 A  | 58.00  | 55.10  | 52.20 |
| 251-0112 | RM1A60A75  | 42-660 | 75 A  | 88.00  | 83.60  | 79.20 |
| 251-0113 | RM1A60A100 | 42-660 | 100 A | 110.00 | 104.50 | 99.00 |

Low Cost Triac Output Relays

— NEW —



Economical zero switching triac output for less demanding resistive load applications. Relays feature LED indication and touch proof cover. Non-repetitive voltage up to 1200 Vp. UL recognized, CSA certified, CE compliant. 18-36 VAC/DC control voltage types are also available. Contact your local Allied sales representative.

4.5-32 VDC Control Voltage

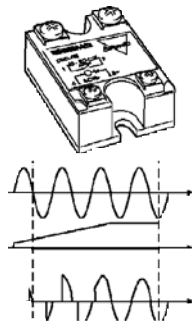
| Stock No. | Mfr.'s Type | Line VAC | Amps | EACH  |       |       |
|-----------|-------------|----------|------|-------|-------|-------|
|           |             |          |      | 1-4   | 5-9   | 10-24 |
| 251-0114  | RS1A23D10   | 42-265   | 10 A | 20.00 | 19.00 | 18.00 |
| 251-0115  | RS1A23D25   | 42-265   | 25 A | 22.00 | 20.90 | 19.80 |
| 251-0116  | RS1A23D40   | 42-265   | 40 A | 28.00 | 26.60 | 25.20 |
| 251-0117  | RS1A48D10   | 42-530   | 10 A | 26.00 | 24.70 | 23.40 |
| 251-0118  | RS1A48D25   | 42-530   | 25 A | 30.00 | 28.50 | 27.00 |
| 251-0119  | RS1A48D40   | 42-530   | 40 A | 34.00 | 32.30 | 30.60 |

DC Switching Relay



Transistor output, 3-32 VDC control. CSA certified and CE compliant.

| Stock No. | Mfr.'s Type | Line VDC | Amps | EACH  |       |       |
|-----------|-------------|----------|------|-------|-------|-------|
|           |             |          |      | 1-4   | 5-9   | 10-24 |
| 251-1037  | RD0605-D    | 3-60     | 5 A  | 47.00 | 44.65 | 42.30 |
| 251-1038  | RD2001-D    | 3-200    | 1 A  | 61.00 | 57.95 | 54.90 |



Phase Angle Fired Analog Switching Relays

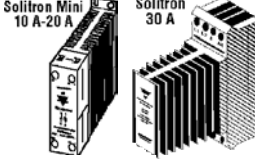


Ideally suited for "phase angle" control of resistive loads, such as heater bands or incandescent lamps. The relay switches off every time the current crosses zero and switches the load voltage proportionally with the applied analog control current. Back-to-back SCR output, up to 660 VAC, controlled by 4-20 mA DC. LED illumination is proportional to the input signal. UL recognized, CSA certified, CE compliant.

| Stock No. | Mfr.'s Type  | Line VAC | Amps | EACH   |        |
|-----------|--------------|----------|------|--------|--------|
|           |              |          |      | 1-4    | 5-9    |
| 251-1047  | RE 2425-AA06 | 90-280   | 25 A | 106.00 | 100.70 |
| 251-1048  | RE 2450-AA06 | 90-280   | 50 A | 120.00 | 114.00 |
| 251-1050  | RE 4825-AA12 | 265-530  | 25 A | 120.00 | 114.00 |
| 251-1051  | RE 4850-AA12 | 265-530  | 50 A | 142.00 | 134.90 |

"Solitron" Solid State Contactor with Integrated Heat Sink

- ▶ User Friendly — Just Snap onto DIN Rail
- ▶ Ideal Alternative to Mercury Relays
- ▶ One or Two Pole Switching
- ▶ Zero Switching for Resistive/Motor Loads
- ▶ Built-In MOV Protection
- ▶ LED Indication
- ▶ AC and/or DC Control Voltage
- ▶ Up to 63 A Output Current
- ▶ Up to 660 VAC Switching
- ▶ Up to 1600 Vp Non-Repetitive Voltage



The new solid state switching trend — solid state relays with heat sinks integrated directly onto the relay. Provides an excellent alternative to (environmentally hazardous) mercury relays. Due to the higher rated output, the 30 and 50 amp versions feature front mounted heat sinks, which cool more efficiently than rear mounted heat sinks, (due to natural air convection within the panel). Higher surge current rated relays (90 A) for inductive loads are available. CE mark.

Single Pole, 5-24 VDC Control

| Stock No. | Mfr.'s Type | Size — mm (H × W × D) | Amps | Line Voltage | EACH  |       |
|-----------|-------------|-----------------------|------|--------------|-------|-------|
|           |             |                       |      |              | 1-4   | 5-9   |
| 251-2010  | RN1A60D10U  | 100 × 23 × 103        | 10 A | 42-660 VAC   | 35.00 | 33.25 |
| 251-2011  | RN1A60D20U  | 100 × 23 × 103        | 20 A | 42-660 VAC   | 41.00 | 38.95 |
| 251-2012  | RN1A48D30   | 120 × 45 × 103        | 30 A | 42-530 VAC   | 60.00 | 57.00 |
| 251-2002  | RN1A48D50   | 120 × 89 × 103        | 50 A | 42-530 VAC   | 76.00 | 72.20 |
| 251-0124  | RN1A48D63   | 120 × 89 × 103        | 63 A | 42-530 VAC   | 93.00 | 88.35 |

Single Pole, 24-265 VAC/DC Control

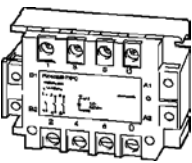
|          |            |                |      |            |       |       |
|----------|------------|----------------|------|------------|-------|-------|
| 251-2013 | RN1A60A10U | 100 × 23 × 103 | 10 A | 42-660 VAC | 37.00 | 35.15 |
| 251-2014 | RN1A60A20U | 100 × 23 × 103 | 20 A | 42-660 VAC | 44.00 | 41.85 |
| 251-2015 | RN1A48A30  | 120 × 45 × 103 | 30 A | 42-530 VAC | 62.00 | 58.90 |
| 251-2004 | RN1A48A50  | 120 × 89 × 103 | 50 A | 42-530 VAC | 78.00 | 74.10 |
| 251-0125 | RN1A48A63  | 120 × 89 × 103 | 63 A | 42-530 VAC | 95.00 | 90.25 |

Double Pole, 5-24 VDC Control, 42-530 VAC Switching

|          |           |                |      |            |        |        |
|----------|-----------|----------------|------|------------|--------|--------|
| 251-2016 | RN2A48D30 | 120 × 45 × 103 | 30 A | 42-530 VAC | 114.00 | 108.30 |
| 251-2006 | RN2A48D50 | 120 × 89 × 103 | 50 A | 42-530 VAC | 131.00 | 124.45 |

Double Pole, 20-265 VAC/DC Control, 42-530 VAC Switching

|          |           |                |      |            |        |        |
|----------|-----------|----------------|------|------------|--------|--------|
| 251-2007 | RN2A48A30 | 120 × 45 × 103 | 30 A | 42-530 VAC | 117.00 | 111.15 |
| 251-2008 | RN2A48A50 | 120 × 89 × 103 | 50 A | 42-530 VAC | 133.00 | 126.35 |



3 Phase Zero Switching Relays

- ▶ Built-In MOVs and Protective Cover
- ▶ Bright LED Indication
- ▶ Unique Raised Back Plate
- ▶ Optimum Heat Dissipation
- ▶ AC and/or DC Control Voltage
- ▶ Up to 55 A, 530 VAC Switching
- ▶ Up to 1200 Vp Non-Repetitive Voltage



Three phase zero switching solid state relays for resistive loads (heater bands) and inductive loads. Optional pilot duty switch. Optional temperature limit switch, which monitors the back plate temperature. UL/CSA; CE marked.

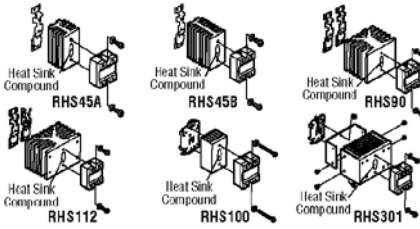
10-40 VDC Control

| Stock No. | Mfr.'s Type | Line-Line V | Amps | EACH   |        |        |
|-----------|-------------|-------------|------|--------|--------|--------|
|           |             |             |      | 1-4    | 5-9    | 10-24  |
| 251-1053  | RZ4825HDPO  | 12-530 V    | 25 A | 173.44 | 164.78 | 156.11 |
| 251-1055  | RZ4855HDPO  | 12-530 V    | 55 A | 195.65 | 185.86 | 176.07 |

20-265 VAC/DC Control

|          |            |          |      |        |        |        |
|----------|------------|----------|------|--------|--------|--------|
| 251-1057 | RZ4825HAPO | 12-530 V | 25 A | 185.00 | 175.75 | 166.50 |
| 251-1059 | RZ4855HAPO | 12-530 V | 55 A | 207.00 | 196.65 | 186.30 |

Heat Sink Kits for Chassis Mount SSRs



Heat sink kits provide DIN rail or chassis mounting\* capabilities of most chassis mount SSRs with a single or three phase footprint. Kits delivered with heat sink, DIN rail adapter, thermally conductive compound and all necessary hardware.

| Stock No. | Mfr.'s Type  | Description                                                       | Max. °C/W | EACH   |
|-----------|--------------|-------------------------------------------------------------------|-----------|--------|
| 251-0120  | RHS45A       | Heat sink for one single phase SSR                                | 2.70°     | 33.00  |
| 251-0121  | RHS45B       | Heat sink for one single phase SSR                                | 2.00°     | 36.00  |
| 251-0122  | RHS90        | Heat sink for one single phase SSR                                | 1.35°     | 55.00  |
| 251-0123  | RHS112       | Heat sink for one single phase SSR or one three phase SSR         | 1.10°     | 62.00  |
| 251-1061  | RHS100*      | Heat sink for one single phase SSR                                | 3.00°     | 33.00  |
| 251-1062  | RHS301*      | Heat sink for one or two single phase SSRs or one three phase SSR | 0.80°     | 78.00  |
| 251-1063  | RHS301F115C* | RHS301 heatsink with 115 VAC cooling fan                          | 0.25°     | 234.00 |

\*RHS100, RHS301 and RHS301F115C are for DIN rail mounting only.