

## The Best Seller G2R

- 1General purpose power Relays of single-pole10 A and double-pole 5 A.
- Safety-oriented design with dielectric strength of 5,000 V between coil and contacts, and surge resistance of 10,000 V.
- AC and DC types are both available for operational coils.

RoHS Compliant



### Model Number Legend

G2R-□-□□□□-□□  
 1 2 3 4 5 6 7

#### 1. Relay Function

None: Single-side stable  
 K : Double-winding latching

#### 2. Number of poles

1: 1-pole  
 2: 2-pole

#### 3. Contact Form

None: NO/NC  
 A : NO

#### 4. Contact Type

None: Single  
 Z : Bifurcated contact

#### 5. Enclosure rating

None: Flux protection  
 (T-type is an enclosed relay)  
 4 : Fully sealed

#### 6. Terminal Shape

None: PCB terminals  
 T : Quick-connect  
 (upper bracket mounting #187)

#### 7. Classification

None: Standard  
 E : High-capacity  
 H : High-sensitivity  
 U : For ultrasonically cleanable  
 Z : Full-wave rectifier

G  
2  
R

### Model Configuration

| Terminal Shape          |                    | Classification  | Number of poles  |              | 1-pole       |           | 2-pole       |              | Minimum packing unit |
|-------------------------|--------------------|-----------------|------------------|--------------|--------------|-----------|--------------|--------------|----------------------|
|                         |                    |                 | Enclosure rating | Contact form | SPST-NO (1a) | SPDT (1c) | DPST-NO (2a) | DPDT (2c)    |                      |
| PCB terminals           | Standard           | Flux protection | AC               | G2R-1A       | G2R-1        | G2R-2A    | G2R-2        | 100 pcs/tray |                      |
|                         |                    |                 | DC               |              |              |           |              |              |                      |
|                         |                    | Fully sealed    | AC               | G2R-1A4      | G2R-14       | G2R-2A4   | G2R-24       |              |                      |
|                         |                    |                 | DC               |              |              |           |              |              |                      |
|                         | Bifurcated contact | Flux protection | DC               | G2R-1AZ      | G2R-1Z       | —         | —            | 50 pcs/tray  |                      |
|                         |                    | Fully sealed    |                  | G2R-1AZ4     | G2R-1Z4      | —         | —            |              |                      |
|                         | High-capacity      | Flux protection | AC               | G2R-1A-E     | G2R-1-E      | —         | —            | 100 pcs/tray |                      |
|                         |                    |                 | DC               |              |              |           |              |              |                      |
| High-sensitivity        | Flux protection    | DC              | G2R-1A-H         | G2R-1-H      | G2R-2A-H     | G2R-2-H   |              |              |                      |
| Double-winding latching | Flux protection    | DC              | G2RK-1A          | G2RK-1       | G2RK-2A      | G2RK-2    | 50 pcs/tray  |              |                      |
| Quick-connect           | Standard           | Unsealed        | AC               | G2R-1A-T     | G2R-1-T      | —         | —            | 100 pcs/tray |                      |
|                         |                    |                 | DC               |              |              |           |              |              |                      |

Note 1. Full-wave rectifier and supersonic cleaner compatible models are also available. Refer to page 3.  
 2. Sockets for PCB terminal models are not provided.

## ■ Ordering Information

### ● PCB Terminal Models

| Classification                                 | Enclosure rating | Number of poles<br>Contact form | 1-pole   |                       | 2-pole   |                       |
|------------------------------------------------|------------------|---------------------------------|----------|-----------------------|----------|-----------------------|
|                                                |                  |                                 | Model    | Rated coil voltage    | Model    | Rated coil voltage    |
| Standard                                       | Flux protection  | NO                              | G2R-1A   | 12, 24, 100/(110) VAC | G2R-2A   | 12, 24, 100/(110) VAC |
|                                                |                  |                                 |          | 200/(220) VAC         |          | 200/(220) VAC         |
|                                                |                  |                                 |          | 5, 6, 12, 24, 48 VDC  |          | 5, 6, 12, 24, 48 VDC  |
|                                                |                  |                                 |          | 100 VDC               |          | 100 VDC               |
|                                                | NO/NC            | NO/NC                           | G2R-1    | 12, 24, 100/(110) VAC | G2R-2    | 12, 24, 100/(110) VAC |
|                                                |                  |                                 |          | 200/(220) VAC         |          | 200/(220) VAC         |
|                                                |                  |                                 |          | 5, 6, 12, 24, 48 VDC  |          | 5, 6, 12, 24, 48 VDC  |
|                                                |                  |                                 |          | 100 VDC               |          | 100 VDC               |
|                                                | Fully sealed     | NO                              | G2R-1A4  | 12, 24, 100/(110) VAC | G2R-2A4  | 12, 24, 100/(110) VAC |
|                                                |                  |                                 |          | 200/(220) VAC         |          | 200/(220) VAC         |
|                                                |                  |                                 |          | 5, 6, 12, 24, 48 VDC  |          | 5, 6, 12, 24, 48 VDC  |
|                                                |                  |                                 |          | 100 VDC               |          | 100 VDC               |
|                                                |                  | NO/NC                           | G2R-14   | 12, 24, 100/(110) VAC | G2R-24   | 12, 24, 100/(110) VAC |
|                                                |                  |                                 |          | 200/(220) VAC         |          | 200/(220) VAC         |
|                                                |                  |                                 |          | 5, 6, 12, 24, 48 VDC  |          | 5, 6, 12, 24, 48 VDC  |
|                                                |                  |                                 |          | 100 VDC               |          | 100 VDC               |
| High-sensitivity<br>Double-winding<br>latching | Flux protection  | NO                              | G2R-1A-H | 5, 6, 12, 24, 48 VDC  | G2R-2A-H | 5, 6, 12, 24, 48 VDC  |
|                                                |                  | NO/NC                           | G2R-1-H  | 5, 6, 12, 24, 48 VDC  | G2R-2-H  | 5, 6, 12, 24, 48 VDC  |
|                                                |                  | NO                              | G2RK-1A  | 5, 6, 12, 24 VDC      | G2RK-2A  | 5, 12, 24 VDC         |
|                                                |                  | NO/NC                           | G2RK-1   | 5, 6, 12, 24 VDC      | G2RK-2   | 5, 6, 12, 24 VDC      |
| Bifurcated<br>contact                          | Flux protection  | NO                              | G2R-1AZ  | 12, 24, 48 VDC        | —        | —                     |
|                                                |                  |                                 |          | 100 VDC               |          |                       |
|                                                |                  | NO/NC                           | G2R-1Z   | 5, 6, 12, 24, 48 VDC  |          |                       |
|                                                |                  |                                 |          | 100 VDC               |          |                       |
|                                                | Fully sealed     | NO                              | G2R-1AZ4 | 5, 12, 24, 48 VDC     | —        | —                     |
|                                                |                  |                                 |          | 100 VDC               |          |                       |
|                                                |                  | NO/NC                           | G2R-1Z4  | 5, 12, 24, 48 VDC     |          |                       |
|                                                |                  |                                 |          | 100 VDC               |          |                       |
| High-capacity                                  | Flux protection  | NO                              | G2R-1A-E | 12, 24, 100/(110) VAC | —        | —                     |
|                                                |                  |                                 |          | 200/(220) VAC         |          |                       |
|                                                |                  |                                 |          | 5, 6, 12, 24, 48 VDC  |          |                       |
|                                                |                  |                                 |          | 100 VDC               |          |                       |
|                                                |                  | NO/NC                           | G2R-1-E  | 12, 24, 100/(110) VAC | —        | —                     |
|                                                |                  |                                 |          | 200/(220) VAC         |          |                       |
|                                                |                  |                                 |          | 5, 6, 12, 24, 48 VDC  |          |                       |
|                                                |                  |                                 |          | 100 VDC               |          |                       |

Note: When ordering, add the rated coil voltage to the model number.

Example: G2R-1A AC12

— Rated coil voltage

However, the notation of the coil voltage on the product case as well as on the packing will be marked as □□ VAC.