

RU Series Universal Relays

Key features:

- Full featured universal miniature relays
- Designed with environment taken into consideration
- Two terminal styles: plug-in and PCB mount
- Non-polarized LED indicator
- No internal wires, lead-free construction
- Cadmium-free contacts
- Mechanical flag indicator
- Manual latching lever with color coding for AC or DC coil
- Snap-on yellow marking plate; optional marking plates are available in four other colors
- Maximum contact ratings: 10A (RU2), 6A (RU4), 3A (RU42)
- UL Recognized, CSA Certified, EN Compliant



With Latching or Momentary Lever

Mechanical Indicator\*

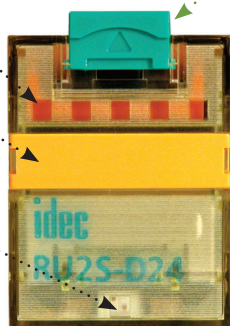
The contact position can be confirmed through the five small windows.

Marking Plate

Standard yellow marking plate is easily replaced with optional marking plates in four colors for easy identification of relays.

LED Indicator\*

Non-polarized green LED indicator is standard provision for plug-in terminal, latching lever types



Latching and Momentary Lever

Using the lever, operation can be checked without energizing the coil. The lever is color coded for AC and DC coils.

|          | Latching | Momentary |
|----------|----------|-----------|
| AC coil: | Orange   | Red       |
| DC coil: | Green    | Blue      |

In Normal Operation



Note: Turn off the power to the relay coil when using the latching lever. After checking the operation, return the latching lever in the normal position.

Standard (without lever)

AC/DC Color Marking  
For identification of AC or DC coils.  
AC coil: Yellow  
DC coil: Blue

Mechanical Indicator\*

Marking Plate

LED Indicator\*

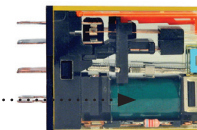
Non-polarized green LED indicator is standard provision for plug-in terminal types.



AC Coil



DC Coil



| Coil Voltage   | Tape Color                     |
|----------------|--------------------------------|
| 24V AC         | White                          |
| 100 to 110V AC | Clear                          |
| 110 to 120V AC | Blue                           |
| 200 to 220V AC | Black                          |
| 220 to 240V AC | Red                            |
| 24V DC         | Green                          |
| 6V DC          |                                |
| 12V DC         | Voltage marking on yellow tape |
| 48V DC         |                                |
| 110V DC        |                                |

\*Not available on PCB type.

Switches & Pilot Lights

Signaling Lights

Relays & Sockets


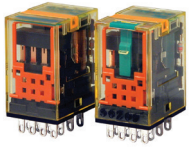
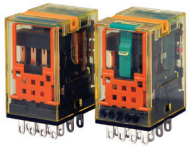
Timers

Contactors

Terminal Blocks

Circuit Breakers

## Part Number Selection

| Contact   | Model                     | Part Number |                     |                      | Coil Voltage Code<br>(Standard Stock in bold)                     |
|---|---------------------------|-------------|---------------------|----------------------|---|
|   |                           | Standard    | With Latching Lever | With Momentary Lever |   |
| DPDT (10A)<br>           | Standard                  | RU2S-C-□    | RU2S-□              | RU2S-M-□             | A24, <b>A110</b> , <b>A220</b><br>D6, D12, <b>D24</b> , D48, D110 |
|   | With RC (AC coil only)    | RU2S-CR-□   | RU2S-R-□            | RU2S-MR-□            | A110, A220  |
|   | With diode (DC coil only) | RU2S-CD-□   | RU2S-D-□            | RU2S-MD-□            | D6, D12, <b>D24</b> , D48, D110                                   |
|   | PCB                       | RU2V-NF-□   | —                   | —                    | A24, A110, A220<br>D6, D12, <b>D24</b> , D48, D110                |
| 4PDT (6A)<br>            | Standard                  | RU4S-C-□    | RU4S-□              | RU4S-M-□             | A24, <b>A110</b> , <b>A220</b><br>D6, D12, <b>D24</b> , D48, D110 |
|   | With RC (AC coil only)    | RU4S-CR-□   | RU4S-R-□            | RU4S-MR-□            | A110, A220  |
|   | With diode (DC coil only) | RU4S-CD-□   | RU4S-D-□            | RU4S-MD-□            | D6, D12, D24, D48, D110   |
|   | PCB                       | RU4V-NF-□   | —                   | —                    | A24, <b>A110</b> , A220<br>D6, D12, <b>D24</b> , D48, D110        |
| 4PDT Bifurcated (3A)<br> | Standard                  | RU42S-C-□   | RU42S-□             | RU42S-M-□            | A24, A110, A220<br>D6, D12, <b>D24</b> , D48, D110                |
|   | With RC (AC coil only)    | RU42S-CR-□  | RU42S-R-□           | RU42S-MR-□           | A110, A220  |
|   | With diode (DC coil only) | RU42S-CD-□  | RU42S-D-□           | RU42S-MD-□           | D6, D12, D24, D48, D110   |
|   | PCB                       | RU42V-NF-□  | —                   | —                    | A24, A110, A220<br>D6, D12, <b>D24</b> , D48, D110                |

- 1. Plug-in terminal models have an LED indicator and a mechanical indicator as standard.
- 2. PCB models do not have an LED indicator or a mechanical indicator.

### Ordering Information






When ordering, specify the Part No. and coil voltage code:

(example) **RU2S-C**    **A110**  
Part No.                      Coil Voltage Code

### Coil Voltage Table

| Coil Voltage Code | A24    | A110        | A220        | D6    | D12    | D24    | D48    | D110    |
|-------------------|--------|-------------|-------------|-------|--------|--------|--------|---------|
| Coil Rating       | 24V AC | 110-120V AC | 220-240V AC | 6V DC | 12V DC | 24V DC | 48V DC | 110V DC |

### Sockets

| Relays                      | Spring Clamp<br>DIN Rail Mount  | Standard DIN<br>Rail Mount  | Finger-safe DIN<br>Rail Mount   | Panel Mount   | PCB Mount  |
|-----------------------------|---|---|---|---|--|
| RU2S (DPDT)                 | SU2S-11L  | SM2S-05   | SM2S-05C  | SY4S-51   | SM2S-61<br>SM2S-62   |
| RU4S (4PDT)<br>RU42S (4PDT) | SU4S-11L  | SY4S-05   | SY4S-05C  |   | SY4S-61<br>SY4S-62   |
|                             |  |  |  |  |  |

Switches & Pilot Lights

Signaling Lights

Relays & Sockets

Timers

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Terminal Blocks

Circuit Breakers