**Relay Cards**

**K-10D GENERAL PURPOSE RELAY CARD**

The K-10D relays can be driven from a low level GPIO input and be effectively used where a relay output is required from an open collector output. These handy boards provide a simple method to interface a low level control output from a control system such as the FSR Flex GPIO ports to higher level loads such as a low voltage screen controller. They can also be used to reverse control output logic if necessary. The units use captive screw terminals for fast, easy wiring and include on-board LEDs that monitor relay state. The K-10D “5 pack” includes the “snap away” relay modules and hook-and-loop mounting strips.

**Specifications:**

- **Coil:** 12VDC @ 33mA (1 pack)
- **Contacts:** 2 NO SPST (1 pack)
- **Contact Rating:**
  - Max DC voltage: 48V
  - Max current: 0.5A (10W max)
- **Operate Time:** 0.5ms typical
- **Release Time:** 0.2ms typical

**Size:**

1.7” W X .75” D X .475” H

(The overall length of the “5-pack” is 3.95”)

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LIT1362C
These relays provide the installer with a variety of switching functions with a maximum current of 5 amps. K-2 single relay with DPDT bifurcated contacts. K-4 single relay with 4PDT bifurcated contacts. K-2S with two relays each with SPDT contacts. K-2, K-4, and K-2S have LED status indication.

**Specifications:**

- **Coil:**
  - K-2: 24VDC @ 25mA
  - K-4: 24VDC @ 40mA
  - K-2S: 24VDC @ 40mA

- **K2 and K4**
  - **Contact Rating:**
    - Max switching power 1250VA
    - Max switching voltage 250VAC
    - Max switching current 5A
  - **Contact Material:** Gold clad silver-nickel alloy
  - **Operate time:**
    - K-2: 5ms
    - K-4: 10ms
  - **Release time:** 5ms

- **K-2S**
  - **Contact Rating:**
    - Max switching voltage 240VAC
    - Max switching current 5A
  - **Contact Material:** Silver Cadmium Oxide
  - **Characteristics:**
    - Operate time: 10ms
    - Release time: 5ms

- **Sizes:**
  - K-2: 1.75” W x 3.125” D x 0.75” H
  - K-4: 2.125” W x 3.125” D x 1” H
  - K2S: 2.5” W x 3.125” D x 1.125” H

**MODELING INFORMATION**

<table>
<thead>
<tr>
<th>Model</th>
<th>For Control Applications</th>
<th>FSR Power Supply (sold separately)</th>
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</thead>
<tbody>
<tr>
<td>K-2</td>
<td>One DPDT relay, 5A contacts</td>
<td>PS-24DC 24DC 500mA</td>
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<tr>
<td>K-2S</td>
<td>Two SPDT relays, 5A contacts</td>
<td>PS-24DC 24DC 500mA</td>
</tr>
<tr>
<td>K-4</td>
<td>One 4PDT relay, 5A contacts</td>
<td>PS-24DC 24DC 500mA</td>
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<tr>
<td>K-10D</td>
<td>“Break-Away” 5 sets of 2 relays for UP/DN, Open/Close</td>
<td>IT-PS1 12VDC 1A</td>
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**Model** | **For Power Applications**
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<tr>
<td>AC-2A-12V</td>
<td>2 x 120VAC 15A NO NC Relays 12VDC Act.</td>
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P= Pole, NC=Normally closed contact, NO=Normally open contact

Specifications are subject to change without notice.