

# Dual Relay Board



## Description

The Dual Relay Board allows you to control larger loads and devices like AC or DC motors, electromagnets, solenoids, and incandescent light bulbs.

Note: This board is not suitable for switching signals. It takes at least 100mA of current to bridge the oxide layer that forms on the relay contacts, and most signals will not meet this requirement. If you need to switch signals, check out the [1017 – PhidgetInterfaceKit 0/0/8](#).

## Product Specifications

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### Physical Properties

|                                 |             |
|---------------------------------|-------------|
| Switch Type                     | SPDT        |
| Switching Speed Max             | 20 cpm      |
| Recommended Wire Size (Control) | 16 – 26 AWG |
| Recommended Wire Size (Load)    | 12 – 24 AWG |
| Operating Temperature Min       | 0 °C        |
| Operating Temperature Max       | 70 °C       |

### Board

|                         |                     |
|-------------------------|---------------------|
| Controlled By           | Digital Output (5V) |
| Current Consumption Min | 14 mA               |
| Current Consumption Max | 180 mA              |
| Supply Voltage Min      | 3.3 V DC            |
| Supply Voltage Max      | 12 V DC             |

### Electrical Properties

|                        |           |
|------------------------|-----------|
| Dielectric Strength    | 1.5 kV AC |
| Contact Resistance Max | 100 mΩ    |

|                       |           |
|-----------------------|-----------|
| Load Voltage Max (DC) | * 30 V DC |
| Load Voltage Max (AC) | 277 V AC  |
| Load Current Min      | 100 mA    |
| Load Current Max (DC) | 7 A       |
| Load Current Max (AC) | 12 A      |
| Turn-on Time Max      | 10 ms     |
| Turn-off Time Max     | 10 ms     |

**Customs Information**

|                          |               |
|--------------------------|---------------|
| Canadian HS Export Code  | 8473.30.00    |
| American HTS Import Code | 8473.30.51.00 |
| Country of Origin        | CN (China)    |