

# PhidgetInterfaceKit 0/0/8



**Note:** The 1017\_1B is identical to the 1017\_1, except that you have the option of whether you want to include the USB cable.

The PhidgetInterfaceKit 0/0/8 provides small signal relays with 8 relay outputs, rated at a combination of 250VAC, or 2 Amps, up to a maximum of 60 Watts. While typical mechanical relay boards are unable to switch signals due to an oxide buildup on the contacts, the 1017 excels at switching both signals and low-power applications.

**Please Note:** These relays cannot be switched at maximum current and maximum voltage at the same time. Ensure that the total power of the load does not exceed the switching power of the relay. For example, you can switch these relays at 200V DC and 0.3 A (60W), or 30V DC and 2A (60W), but not 200V DC and 2A (400W).

## **Comes packaged with**

- A Hardware mounting kit (4 nuts and bolts (M3), 4 plastic spacers)

## **Product Specifications**

### **Board**

Controlled By	USB (Mini-USB)
API Object Name	DigitalOutput
Current Consumption Min	14 mA
Current Consumption Max	300 mA
USB Speed	Low Speed

### **Physical Properties**

API Object Name	InterfaceKit
Switch Type	DPDT
Recommended Wire Size	12 – 24 AWG
Switching Speed Max	20 cpm
Operating Temperature Min	0 B°C
Operating Temperature Max	70 B°C

**Electrical Properties**

Dielectric Strength	1.5 kV AC
Contact Resistance Max	50 mΩ
Load Voltage Max (DC)	* 120 V DC
Load Voltage Max (AC)	250 V AC
Load Current Min	10 0jA
Load Current Max (DC)	2 A
Load Current Max (AC)	2 A
Turn-on Time Max	18 ms
Turn-off Time Max	18 ms
Switching Power Max (Real)	60 W
Switching Power Max (Apparent)	125 VA
Current Consumption Min	14 mA
Current Consumption Max	300 mA

\* This specification applies to the version of 1017\_1 with black relays on it. If your 1017\_1 has orange relays, the DC switching voltage is 200VDC.

**Software Objects**

Channel Name	API	Channel
Signal Relay	DigitalOutput	0 – 7