

Signal Relay Phidget



In a simple application where you need to switch a signal line on and off, the Signal Relay Phidget is a quick and easy solution. With a double-pole double-throw style relay, it can switch up to two signals of 60 watts of DC power or 125 VA of AC power each. By nature, this relay Phidget is isolated from load to control, so a power surge in the load side will not damage your VINT Hub or computer.

AC or DC Switching

For DC applications, you can switch a circuit of up to 120V or 2A, as long as the switching power is 60W or less (For example, 30V/2A or 120V/0.5A). Similarly, you can switch up to 2A or 240V AC, to a maximum of 125 VA of power (For example, 62V/2A or 240V/0.5A).

Other Options

This relay is specifically intended to switch signals. If you need a relay that can switch power to a device, take a look at the more powerful relay boards on the “Other Relays” tab.

Product Specifications

Board Properties

Controlled By	Digital Output
---------------	----------------

Relay Properties

Switch Type	DPDT
Switching Speed Max	20 cpm
Dielectric Strength	1.5 kV AC
Contact Resistance Max	100 m Ω
Load Current Min	10 mA

Turn-on Time Max	7 ms
Turn-off Time Max	4 ms
Number of Relays	1

Electrical Properties

Load Voltage Max (DC)	120 V DC
Load Voltage Max (AC)	240 V AC
Load Current Max (DC)	2 A
Load Current Max (AC)	2 A
Switching Power Max (Real)	60 W
Switching Power Max (Apparent)	125 VA
Current Consumption Min	0 A
Current Consumption Max	20 mA

Physical Properties

Recommended Wire Size	16 – 26 AWG
Operating Temperature Min	-40 °C
Operating Temperature Max	85 °C