



### Overview

You can control up to 12 external ac or dc devices using the six internal relays of the A6REL-12. Each relay set can be controlled

manually or by a data logger.

### Benefits and Features

- ▶ UL/CUL approved product

### Detailed Description

The A6REL-12's internal relays are dual single-pole double-throw. Each of the six relays has a three position toggle switch; "on" and "off" for manual override, and "auto" for data logger control. In the on position, the common and normally open

contacts are shorted. In the auto position, the state of a relay is controlled by a data logger control port.

A6REL-12's with serial numbers 1445 and higher are UL-approved.

### Specifications

Function	Controls up to 12 external ac or dc devices.
Number of Channels	6
Operating Voltage	12 Vdc nominal (8.4 to 24 Vdc)
Current Drain at 12 Vdc	<ul style="list-style-type: none"> <li>▶ 6 <math>\mu</math>A quiescent</li> <li>▶ 30 mA per active LED (switch ON or AUTO active)</li> </ul>

Toggle Switch	ON/OFF manual override; AUTO for data logger control
Relays	dual single pole double throw, break before make
Contact Material	Gold-clad silver
Coil Resistance	720 $\Omega$ $\pm$ 10%
Contact Ratings	<ul style="list-style-type: none"> <li>▶ 2 A (@ 30 Vdc)</li> <li>▶ 0.6 A (@ 125 Vac)</li> </ul>

Release/Actuation Time	~3 ms
Operating Temperature	-40° to +70°C
Standards	<ul style="list-style-type: none"> <li>› Canadian Underwriters Laboratories (CUL) listed product (5Z21)</li> <li>› Underwriters Laboratories (UL) listed product (E162021)</li> </ul>

Dimensions	22.4 x 13.9 x 4.1 cm (8.8 x 5.5 x 1.6 in.) including switches and mounts
Weight	635 g (1.4 lb)

### Expected Life (contact closures)

Mechanical	10 <sup>8</sup>
Electrical	<ul style="list-style-type: none"> <li>› 2x10<sup>6</sup> (1 A at 30 Vdc)</li> <li>› 5x10<sup>5</sup> (2 A at 30 Vdc)</li> </ul>

For comprehensive details, visit: [www.campbellsci.com/a6rel-12](http://www.campbellsci.com/a6rel-12) 



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