



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"> ▶ 6 μA quiescent ▶ 30 mA per active LED (switch ON or AUTO active)

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 Ω \pm 10%
Contact Ratings	<ul style="list-style-type: none"> ▶ 2 A (@ 30 Vdc) ▶ 0.6 A (@ 125 Vac)

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

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 ⁸
Electrical	<ul style="list-style-type: none"> › 2x10⁶ (1 A at 30 Vdc) › 5x10⁵ (2 A at 30 Vdc)

For comprehensive details, visit: www.campbellsci.com/a6rel-12 



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