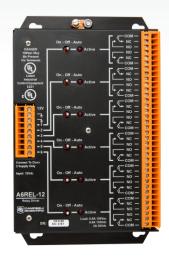


### 6-Channel Relay Driver with Manual Override



#### 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 doublethrow. 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 ULapproved.

# **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><li>) 6 μA 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 Ω ±10%
Contact Ratings	》 2 A (@ 30 Vdc) 》 0.6 A (@ 125 Vac)

Release/Actuation Time	~3 ms
Operating Temperature	-40° to +70°C
Standards	<ul> <li>Canadian Underwriters         <ul> <li>Laboratories (CUL) listed product</li> <li>(5Z21)</li> </ul> </li> <li>Underwriters Laboratories (UL)         <ul> <li>listed product (E162021)</li> </ul> </li> </ul>

Dimensions	$22.4 \times 13.9 \times 4.1$ 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> <li>2x10<sup>6</sup> (1 A at 30 Vdc)</li> <li>5x10<sup>5</sup> (2 A at 30 Vdc)</li> </ul>	

