



Analog Current / Voltage to Four Adjustable Trip Level Relay Outputs

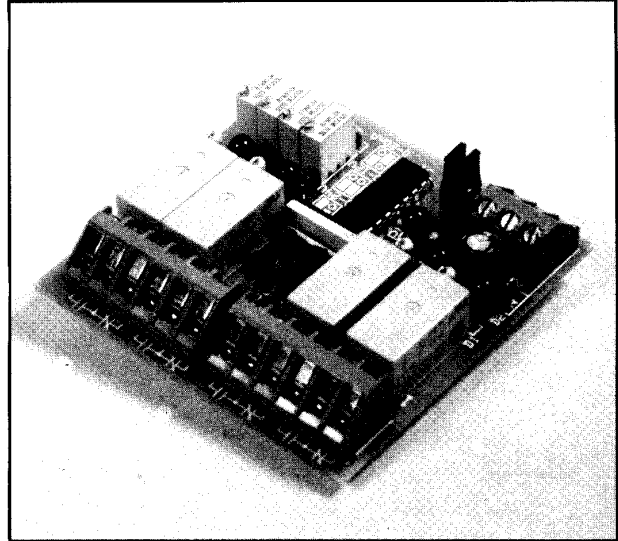
MODEL CVA-18

FEATURES

- * Four Form C Relay Outputs
- * Field Adjustable Trip Levels
- * LED Status Indicator for each relay
- * Up to 16 CVA-18's can be cascaded together
- * Compact and Economical
- * Snap Track Mounted
- * Enclosure Available

APPLICATIONS

- * Alarms
- * Sequencers
- * Analog To Digital Conversion
- * Environmental Control



PRODUCT DESCRIPTION

The Bec CVA-18 Current/Voltage Alarm accepts either a 0-12 Vdc, 0-24 Vdc or a 0-20mA input signal and provides an adjustable High and Low setting relay output each with an adjustable differential between "On" and "Off". Each SPDT relay has an adjustable trip point which is set by a multi-turn trimmer potentiometer. Each relay is activated when the input signal is equal to or greater than the "On" setpoint. The relay is de-energized when the input signal is equal to or less than the "Off" setpoint. Common (C), Normally Open (NO) and Normally Closed (NC) terminals are available at each relay. The CVA-18 has LED indicators for power and for status of each relay. By using voltage divider applications, the CVA-18 can also accept a resistance input. Circuit card is sized for a 3-1/4" snap-track or can be enclosed in a nema-4 enclosure.

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply Voltage:

Regulated 24 volts AC or DC
22 to 28 Volts at CVA-18 terminals
180mA max

Supply Current:

Input

Voltage Range/Input Impedance:

Three selectable ranges:
0 to 12 Vdc / 10M ohms
0 to 24 Vdc / 20K ohms
0 to 20 mA / 500 ohms





Deadband:	0.3 Vdc (fixed) 0.6 mA (fixed)
Optional Deadband:	1.0 Vdc (fixed) 2.0 mA (fixed)

Mechanical Requirements

Relay Contacts

Type:	Form C, Gold-clad silver
Rating:	2 amp max. resistance @ 24 volts
Electrical Life:	100,000 operations @ 1 amp
Mechanical Life:	10 million operations

Connections

Wire Size:	Up to one 14 gauge max dia.
Terminal Type:	45, Captive screw, moving clamp design in nickel plated copper alloy
Dimensions	3.25" L x 2.75" W x 1.5" H

Weight:	3.2 oz
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Mounting:	Furnished with a 2.75" length of 3.25" wide snap-track
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Environmental Requirements

Operating Temperature:	-20 to 150 deg F
Operating Humidity:	10 to 95% non-condensing

ORDERING INFORMATION:

CVA-18



X - None, Snap-Track
W - Nema-4, Weatherproof Enclosure

