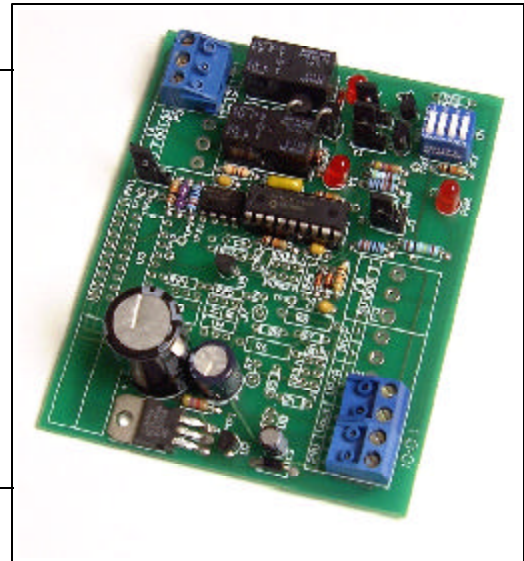


FEATURES

- 8 Selectable ANALOG Voltage/Current Input Signal Ranges in four versions
- Floating Point Output (Two Relay Contacts)
- DIP Switch Selectable Rates of Change (9 ranges available)
- Custom Rates of Change Available
- Electrically Isolated Output
- Power (LED) Indicator
- No Wrap Around
- Manual Override

APPLICATIONS

- Electric Actuator Control



PRODUCT DESCRIPTION

The AFP allows an analog signal to control a floating point actuator. AFP converts an analog signal into two relay contact outputs (one increase/one decrease).

The AFP's isolated floating point output can be controlled by any one of eight analog input signal ranges (jumper selectable).

On a loss of power, the AFP's output relays will be

open, and no signal will be generated. The actuator will remain at the last commanded position unless it is "spring return".

An LED indicates power to the AFP. The output rate of change (nine ranges, in four versions) is DIP switch selectable. In Version 4, the AFP relays stay on at minimum and maximum positions. Custom rates of change are available upon request.

ORDERING INFORMATION

- Specify: AFP Version 1 _____ 30, 60, or 90 second timing
 Version 2 _____ 120, 150, or 180 second timing (see timing ranges, page 2)
 Version 3 _____ 14, 16.5, or 19 second timing
 Version 4 _____ 30, 60, or 90 second timing, but AFP relays do not turn off at minimum and maximum position

SPECIFICATIONS

Electrical Requirements

Power Supply:

Supply Voltage	24 VDC or 24 VAC, +/- 10%, 50 or 60 Hz
Supply Current (Power Consumption)	105 mA maximum without use of 24 VDC auxiliary output 190 mA maximum with use of 24 VDC auxiliary output

Input:

Analogue:		
Ranges (Jumper Selectable)	0-5 VDC	0-15 VDC
	0-10 VDC	0-20 mA
With Offset Jumper ON:	1-5 VDC	3-15 VDC
	2-10 VDC	4-20 mA
Impedances (Nominal)	Voltage/ 10,000 ohms nominal Current/ 250 ohms nominal	

Output:

Floating Point:	Two relay contact outputs (Increase/Decrease)
Rates of change (DIP switch selectable):	
Version 1	30, 60, or 90 seconds.
Version 2	120, 150, or 180 seconds - Upon power-up a the down relay will drive 100% of the chosen timing range. At 2 to 5% or below and 95 to 98% or higher of the input signal, the up or down contact will drive for an additional 100% of the chosen timing range. This assures that the control signal and actuator are in synchronization.
Version 3	14, 16.5 or 19 seconds
Version 4	30, 60, or 90 seconds but AFP relays stay on at min. and max.
Output Accuracy	2% Full Scale @ 32 to 120°F and room temperature
Regulated Power Output (for user):	24 VDC, 48mA maximum

Mechanical Requirements

Relay Contacts:

Type	Form C, Gold-clad Silver
Rating	2 amp maximum resistive @ 24V
Electrical Life	100,000 operations
Mechanical Life	1 million operations

Connections:

Wire Size	Up to one 14 gauge maximum
Terminal Type wire size	Plug-in Blocks with 5mm pin spacing. Accepts up to one 14 AWG

Dimensions

4.00" W x 3.45" L x 1.15" H

Weight

1.5 oz.

Mounting:

Furnished with 4.75" L x 3.25" W snap track

Environmental Requirements

Operating Temperature	32 to 120 degrees F
Storage Temperature	-20 to 150 degrees F
Operating Humidity	10% to 95% non-condensing

Specifications may change without notice to improve product performance.