

**FEATURES**

- Input Rate of Change is DIP Switch Selectable (9 ranges available)
- Relay, transistor or triac input, 50 or 60 Hz
- Floating Point Output (Two Relay Contacts) Rate of Change is DIP switch selectable (9 ranges available)
- Electrically Isolated Output
- Custom Rates of Change Available
- Power (LED) Indicator
- 255 Step Resolution with No Wrap Around


**APPLICATIONS**

- Electric Actuator Control
- Convert dissimilar floating point signal rates of change

**PRODUCT DESCRIPTION**

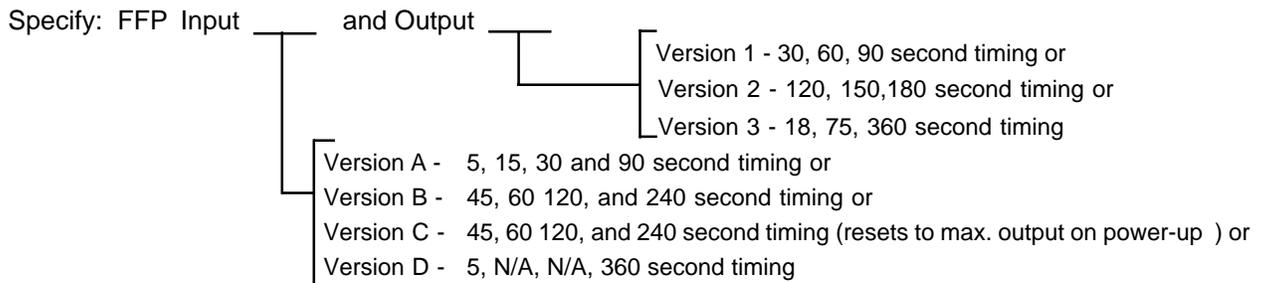
The FFP allows a floating point signal of one rate of change to be converted to a floating point signal of a different rate of change. The FFP's isolated floating point output (two relay contact outputs, one Increase or UP, the other Decrease or DOWN) can be controlled by a relay, transistor or triac input, at 50 or 60 Hz.

On a loss in power, the FFP's 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 FFP.

The FFP input and output rate of change are DIP switch selectable. Offered are three input versions (with 9 timing ranges) and three output versions (with 9 timing ranges). Custom rates of change are available upon request.

An auxiliary 24 VDC output will be supplied as the voltage source for a dry contact pulse input signal.

**ORDERING INFORMATION**

**SPECIFICATIONS**
**Electrical Requirements**
*Power Supply*

Supply Voltage:  
 Supply Current:

24 VDC or 24 VAC @ 50 or 60Hz (+/-10%)  
 120mA Maximum w/o use of auxiliary 24 VDC output  
 230mA maximum with use of auxiliary 24 VDC output

*Input (Digital)*

Signal Source:

Relay Contact Closure, Transistor, or TRIAC (24 VAC, 50/60 Hz)

Signal Trigger Level	Normal Mode: 5 to 26.4 VDC 5 to 26.4 VAC
Input Impedance (Nominal)	Triac Mode: 9 to 26.4 VAC Triac Mode: 750 ohms Normal Mode: 1500 ohms
Full Span Rates of Change	(DIP Switch Selectable): Version A - 5, 15, 30 or 90 seconds. Version B - 45, 60, 120 or 240 seconds Version C - 45, 60, 120 or 240 seconds (resets to max. on power-up) Version D - 5, N/A, N/A or 360 seconds

**Output:**

Floating Point:	Two relay contact outputs (Increase or UP/Decrease or DOWN)
Rates of change (DIP switch selectable):	Version 1 - 30, 60, or 90 seconds. Version 2 -120, 150, or 180 seconds Version 3 -18, 75, or 360 seconds
Output Accuracy:	2% Full Scale @ 32 to 120° F
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	Plug-in terminal strip, plugs on square 5 mm pins, captive screw with cage clamp in tin plated brass

*Dimensions*

4.00" W x 3.45" L x 1.15" H

*Weight*

1.5 oz.

*Mounting:*

Furnished with 4.00" 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.**

**Call For Other Calibration Ranges and Versions.**

*If you have a different application or need, please call 1-800-886-2281 and discuss your needs with our Sales Engineers.*