JUXTA F Series General Specification

Model FX3□-PS (Variable software type)
FX4□-PS (Fixed software type)
Program Setter

JUXTA

1. GENERAL

This is a variable or fixed software type computing unit which if the start/reset command input of more than 75% is accepted (at start/reset command input OFF) outputs a signal internally generated regardless of input signal as an isolated DC voltage or current signal changing with time lapse.

There is an eleven-point time table to establish the relationship between time and output.

2. SPECIFICATIONS

Model No.	FX3A-PS, FX3V-PS	FX4A-PS, FX4V-PS
Input signal	mV signal	Contact input
Measuring range	−2 to 10 mV (There is accuracy limitation for spans of more than 3 mV and less than 10 mV.) −10 to 50 mV (For span of more than 10 mV) −50 to 250 mV (For span of more than 50 mV) −100 to 1250 mV (For span of more than 250 mV) (*1)	
Input resistance	1 MΩ (At power failure: More than 3 KΩ)	
Output signal	4 to 20mA, 2 to 10mA, 1 to 5mA, 0 to 20mA, 0 to 16mA, 0 to 10mA or 0 to 1mA DC 0 to 10mV, 0 to 100mV, 0 to 1V, 0 to 10V, 0 to 5V, 1 to 5V or −10 to +10V DC	
Time table setting condition	0 sec ≦ (t_0 to t_{10}) ≦ 7984 sec −10% ≦ (Y_0 to Y_{10}) ≦ 110% $t_0 < t_1 < t_2 < t_3 < t_4 < t_5 < t_6 < t_7 < t_8 < t_9 < t_{10}$ Time: From t_0 to t_{10} (*2) Output: From Y_0 to Y_{10} (*3)	
Setting resolution	Time: 8 sec (0.1%) Output: 0.1%	
Signal insulation	Between input signal and output signal/power supply circuits and between output signal and power supply circuits	
Insulation resistance	Between input signal and output signal/power supply circuits and between output signal and power supply circuits: 100 MΩ/500 V DC	
Dielectric strength	Between input signal and output signal/power supply circuits and between output signal and power supply circuits: 1500 V AC/min Between output signal and power supply circuits: 500 V AC/min	
Power supply voltage	24 V DC ± 10%	
Ambient temperature/humidity	0 to 50°C (32 to 122°F) and 5 to 93% relative humidity (No condensation)	
Effect of ambient temperature	±0.2% of span for 10°C (50°F) change	
Effect of power supply voltage	±0.2% of span for 24 V DC ±10% variation	
Power consumption	24 V DC, 56 mA (Voltage output) and 24 V DC, 78 mA (Current output)	
Dimensions	72 (2.83″) H × 24 (0.94″) W × 127 (5.00″) D mm (inch)	
Weight	Approx. 130 g	
Accessories	Tag number label : 1 sheet Mounting blocks: 2 pcs.	

Specify the following when ordering:
(*1) Start/reset command input range from □ to □ mV (Only for FX3□-PS)
(*2) Time table time-axis from t_0 to t_{10} (sec): 11 points
(*3) Time table output-axis from Y_0 to Y_{10} (%): 11 points

FX□□-□□-1□*B

MODEL

SOFTWARE TYPE
3: Variable type
4: Fixed type

OUTPUT
A: Current
V: Voltage

INPUT SIGNAL
1: Voltage signal

OUTPUT SIGNAL

A: 4~20mA DC	1: 0~10mV DC
B: 2~10mA DC	2: 0~100mV DC
C: 1~5mA DC	3: 0~1V DC
D: 0~20mA DC	4: 0~10V DC
E: 0~16mA DC	5: 0~5V DC
F: 0~10mA DC	6: 1~5V DC
G: 0~1mA DC DC	7: -10~+10 DC
Z: Specify current. (30mA max.)	0: Specify voltage. (-10V~+10V)

Ordering Information

Input Measuring Range		
Range name	Allowable min. span	Allowable Measuring Range
HH	250 mV	-100 ~ 1250 mV
H	50 mV	-50 ~ 250 mV
L	10 mV	-10 ~ 50 mV
LL	3 mV	-2 ~ 10 mV

However, accuracy of less than 10 mV span is

$$0.2\% \times \frac{10\ \text{mV}}{\text{Input span (mV)}}\ (\%)$$

Recommended Input Range	
Voltage signal	0 ~ 10 mV DC 0 ~ 100 mV DC 0 ~ 1V DC

OUTPUT RESISTANCE AND LOAD RESISTANCE

Output Signal	Load Resistance	Output Impedance
4 to 20mA DC	0 to 750Ω	5MΩ or more
2 to 10mA DC	0 to 1500Ω	
1 to 5mA DC	0 to 3000Ω	
0 to 20mA DC	0 to 750Ω	
0 to 16mA DC	0 to 900Ω	
0 to 10mA DC	0 to 1500Ω	
0 to 1mA DC	0 to 15kΩ	

Output Signal	Load Resistance	Output Impedance
0 to 10mV DC	100kΩ or more	100Ω or less
0 to 100mV DC		
0 to 1V DC	2kΩ or more	1Ω or less
0 to 5V DC		
1 to 5V DC		
0 to 10V DC	10kΩ or more	
-10 to +10V DC		