JUXTA F Series General Specification

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

NTXUL

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	$\begin{array}{l} 0 \; \text{sec} \; \leqq \; (t_0 \; \text{to} \; t_{10}) \; \leqq \; 7984 \; \text{sec} \\ -10\% \; \leqq \; (Y_0 \; \text{to} \; Y_{10} \;) \; \leqq \; 110\% \\ t_0 \; < \; t_1 \; < \; t_2 \; < \; t_3 \; < \; t_4 \; < \; t_5 \; < \; t_6 \; < \; t_7 \; < \; t_8 \; < \; t_9 \; < \; t_{10} \\ \text{Time: From} \; t_0 \; \text{to} \; t_{10} \; (*2) \\ \text{Output: From} \; Y_0 \; \text{to} \; Y_{10} \; (*3) \end{array}$		
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	$\pm 0.2\%$ of span for 24 V DC $\pm 10\%$ 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:

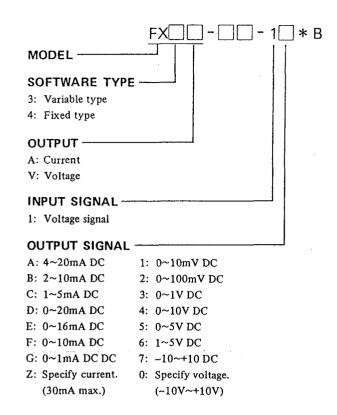
(*1) Start/reset command input range from □ to □ mV (Only for FX3□-PS)

(*2) Time table time-axis from to to t10 (sec): 11 points

(*3) Time table output-axis from Y₀ to Y₁₀ (%): 11 points



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Ordering Information						
Input Measuring Range						
Range name	Allowable min. span	Allowable Measuring Range				
нн	250 mV	−100 ~ 1250 mV				
Н	50 mV	−50 ~ 250 mV				
L	10 mV	-10 ~ 50 mV				
LĻ	3 mV	−2 ~ 10 mV				
How	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	
2 to 10mA DC	0 to 1500Ω	
1 to 5mA DC	0 to 3000Ω	
. 0 to 20mA DC	0 to 750Ω	5MΩ or more
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	100K12 Of infore	
0 to 1V DC		1Ω or less
0 to 5V DC	2kΩ or more	
1 to 5V DC		
0 to 10V DC	101-0	
-10 to +10V DC	10kΩ or more	