## JUXTA F Series General Specification

Model FX1□-FP (Variable software type)
Programmable Unit

**VTXUL** 

## 1. GENERAL

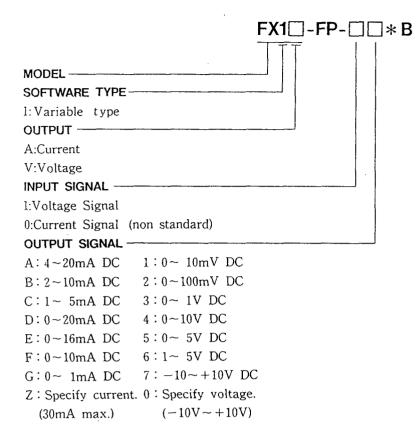
This is a variable software type computing unit which accepts two voltage inputs signal from a converter and outputs one signal a specific computed result by using two input signals as isolated various voltage or current, (after delivery, the function is determined by freely creating programs by the customer using the handy terminal [JHT-100]).

## 2. SPECIFICATION

Model No.	FX1A-FP, FX1V-FP		
Input signal	DC voltage signal:two points		
	Vo to V <sub>100</sub> correspond to 0 to 100%		
Measuring range	0 to 10V DC (Measuring span: More than 2V) *1		
Input resistance	$1M\Omega$ (At power failure: More than $100k\Omega$ )		
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		
Basic accuracy	$\pm 0.1\%$ of measuring span (Only when input (%) = Output (%))		
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: $100M\Omega/500V$ DC		
Dielectric strength	Between input signal and output signal/power supply circuits:1500V AC/min. Between output signal and power supply circuits:500V AC/min		
Power supply voltage	24V 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	$\pm 0.2\%$ of span for 10°C (50°F) change		
Effect of power supply voltage	$\pm 0.1\%$ of span for 24V DC $\pm 10\%$ regulation		
Power consumption	24V DC, 60mA (voltage output) and 24V DC, 82mA (current output)		
Dimensions	72(2.83") H×24(0.94") W×127(5.00")D mm(inch)		
Weight	Approx. 130g		
Accessories	Tag number label : I sheet Mounting blocks : 2 pcs.		

<sup>\*1:</sup> Specify measuring range from  $\square$  to  $\square V$ .

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Orderi	ng information			
Measuring range of input				
Voltage input signal:				
2V min span for 0-10V DC				
Current input signal (input resist 250Ω):				
(250Ω)×(input current)shall be				
within the measuring span of				
voltage input signal				
	Recommended range			
	4~20mA DC			
Current	2~10mA DC			
signal	0~20mA DC			
aignai	0~16mA DC			
	0~10mA DC			
Voltage	0~10V DC			
signal	0∼ 5V DC			
oigiiai	1~ 5V DC			

(Note)Medification between voltage and current of input is impossible at terminal board.

## ●OUTPUT RESISTANCE AND LOAD RESISTANCE●

Output Signal	Load Resistance	Output Impedance
4 to 20mA DC	0 to 750 Ω	
2 to 10mA DC	0 to 1500 Ω	
1 to 5mA DC	0 to 3000 Ω	
0 to 20mA DC	0 to 750 Ω	5MΩ or more
0 to 16mA DC	0 to 900 Ω	
0 to 10mA DC	0 to 1500 Ω	
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		
0 to 5V DC	$2k\Omega$ or more	
1 to 5V DC		lΩ or less
0 to 10V DC	10kΩ or more	
-10 to +10V DC	TOK 22 OF HIGHE	