JUXTA F Series General Specification

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

JUXTA

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 V_0 to V_{100} correspond to 0 to 100%
Measuring range	0 to 10V DC (Measuring span: More than 2V) *1
Input resistance	1MΩ (At power failure : More than 100kΩ)
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	±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: 100MΩ/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	±0.2% of span for 10°C (50°F) change
Effect of power supply voltage	±0.1% of span for 24V DC ±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 : 1 sheet Mounting blocks : 2 pcs.

*1: Specify measuring range from □ to □V.

FX1□-FP-□□*B

MODEL

SOFTWARE TYPE

1: Variable type

OUTPUT

A: Current

V: Voltage

INPUT SIGNAL

1: Voltage Signal

0: Current Signal (non standard)

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	7: −10~+10V DC
Z: Specify current. (30mA max.)	0: Specify voltage. (−10V~+10V)

Ordering 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
Current signal	4~20mA DC 2~10mA DC 0~20mA DC 0~16mA DC 0~10mA DC
Voltage signal	0~10V DC 0~ 5V DC 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	5MΩ or more
2 to 10mA DC	0 to 1500 Ω	
1 to 5mA DC	0 to 3000 Ω	
0 to 20mA DC	0 to 750 Ω	
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	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		