JUXTA F Series General Specification

Model FX3□-MA (Variable software type)
FX4□-MA (Fixed software type)
Transfer Average Unit

JUXTA

1. GENERAL

This is a variable or fixed software type computing unit which accepts a mV signal from a converter and outputs the transfer average computed result using the passed average time set by a handy terminal or variable resistor as isolated various voltage or current, signal.

2. SPECIFICATION

Model No.	FX3A-MA, FX3V-MA	FX4A-MA, FX4V-MA
Input signal	mV signal:1 point	mV signal:1 point volume setting
Measuring range	−2 to 10mV (Accuracy is limited for spans more than 3 mV and less than 10mV.) −10 to 50mV (Span:More than 10mV) and −50 to 250mV (Span:More than 50mV) ＊1 −100 to 1250mV (Span:More than 250mV)	
Input resistance	1MΩ (At power failure:More than 100 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	
Moving average time setting range	0 to 7990 sec. (0.0 to 799.0%) ＊2	0 to 1000 sec. (0 to 1.000V)
Time constant setting range	1.0 to 799.0 sec. (1.0 to 799.0%) ＊3	
Accuracy rating	±0.2% of measuring span	
Signal insulation	Between the 2 ciruits of input signal, 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℃(32 to 122°F) and 5 to 93% relative humidity (No condensation)	
Effect of ambient temperature	±0.2% of span for 10℃ (50°F) change	
Effect of power supply voltage	±0.2% of span for 24V DC ±10% regulation	
Power consumption	24V DC, 56mA (Voltage output) and 24V DC, 78mA (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.	

Specify the following when ordering:
＊1: Measuring range from □ to □mV
Accuracy for range with span of less than 10mV:0.2×10/(Input span mV value)%
＊2: Moving average time; □ sec.
＊3: 1st-order lag time constant; □ sec.

FX□□-MA-□□*B

MODEL

SOFTWARE TYPE
3:Variable Type
4:Fixed 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
T : 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

Input Measuring Range		
Range name	Allowable min. span	Allowable Measuring Range
HH	250mV	−100~1250mV
H	50mV	− 50~ 250mV
L	10mV	− 10~ 50mV
LL	3mV	− 2~ 10mV
However, accuracy of less than 10mV span is $0.2\% \times \frac{10\,mV}{input\ span(mV)}$ (%)		
Recommended Input Runge		
Voltage signal		0~10mV DC 0~100mV DC 0~1V DC

●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		

Subject to change without notice for grade up quality and performance