JUXTA F Series General Specification

Model FX1□-LG (Variable software type)
Model FX2□-LG (Fixed software type)
First Order Lag Unit

JUXTA

1. GENERAL

This is a variable or fixed software type computing unit which accepts a voltage signal from a converter and the 1st-order lag computed result using a time constant set by a handy terminal or variable resistor as isolated various voltage or current signal.

2. SPECIFICATION

Model No.	FX1A-LG, FX1V-LG	FX2A-LG, FX2V-LG
Input signal	DC voltage signal:1 point	DC voltage signal:1 point volum setting
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	
Computing equation	$Y=1+\frac{1}{1+TS}X$ Y:Output signal X:Input signal(%) T:Time constant(sec.)	
Time constant setting rang	1.0 to 799.0 sec. (1.0 to 799.0%) *2	1.0 to 100.0 sec. (0.010 to 1.000V)
Basic accuracy	±0.1% of measuring span	±0.2% of measuring span
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℃(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	±0.1% of span for 24V DC ±10% regulation	±0.2% 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 Mouting blocks:2 pcs.	

Specify the following when ordering:
*1: Measuring range from □ to □V
*2: 1st-order lag time constant; □ sec.

FX□□-LG-□□*B

MODEL

SOFTWARE TYPE

1:Variable type

2: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
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		