JUXTA F Series General Specification

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

VTXUL

1. GENERAL

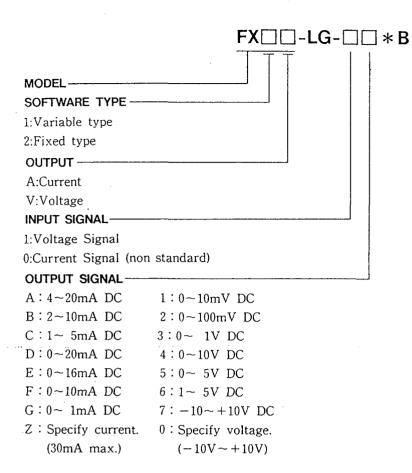
This is a variable or fixed software type computing unit which accepts a voltage signal from a converter and the 1st-order lag computed result using a time constant set by a handy terminal or variable resistor as isolated various voltage or current signal.

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 10mV, 0 to 100mV, 0 to 1V, 0 to 10V, 0 to	to 16mA, 0 to 10mA or 0 to 1mA DC 5 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	$\pm 0.1\%$ of measuring span	$\pm 0.2\%$ 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: $100M\Omega/500V$ 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	$\pm 0.2\%$ 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: 1 sheet Mouting block	cks:2 pcs.	

Specify the following when ordering:

- *1: Measuring range from \square to $\square V$
- *2: 1st-order lag time constant; ☐ sec.



Ordering Information Measuring range of input Voltage input signal: 2V min span for 0-10V DC Current input signal (input resist 250Ω): $(250\,\Omega)\times$ (input current) shall be within the measuring span of voltage input signal Recommended range 4~20mA DC 2~10mA DC Current 0~20mA DC signal 0~16mA DC 0~10mA DC 0~10V DC Voltage 0∼ 5V DC signal 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	
I 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	1000 on loss
0 to 100mV DC	100K 22 OF HIGHE	100Ω or less
0 to 1V DC		
0 to 5V DC	2kΩ or more	
1 to 5V DC		lΩ or less
0 to 10V DC	10kΩ or more	
-10 to +10V DC	Tok 22 of more	