# JUXTA F Series General Specification

# Model FX1 □-LE (Variable software type) FX2□-LE (Fixed software type) 1st-order Lead Unit

**NTXUL** 

## 1. GENERAL

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

### 2. SPECIFICATIONS

Model No.	FX1A-LE, FX1V-LE	FX2A-LE, FX2V-LE	
Input signal	DC voltage signal: 1 point	DC voltage signal: 1 point Volume setting	
Measuring range	0 to 10 V DC (Measuring span: More than 2 V) (*1)		
Input resistance	1 MΩ (At power failure: More than 100 KΩ)		
Output signal	4 to 20 mA, 2 to 10 mA, 1 to 5 mA, 0 to 20 mA, 0 to 16 mA, 0 to 10 mA or 0 to 1 mA DC 0 to 10 mV, 0 to 100 mV, 0 to 1 V, 0 to 10 V, 0 to 5 V, 1 to 5 V or -10 to +10 V DC		
Computing equation	$Y = (1 + \frac{TS}{1 + TS}) X$ Y: Output signal  X: Input signal (%)  T: Time constant (sec)		
Time constant setting range	1.0 to 799.0 sec (1.0 to 799.0%) (*2)	1.0 to 100.0 sec (0.010 to 1.000 V)	
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, between output signal and power supply circuits: $100 \text{ M}\Omega/500 \text{ V DC}$		
Dielectric strength	Between input signal and output signal/power supply circuits: 1500 V AC/min Between output signal and power supply circuits: 500 V AC/min		
Power supply voltage	24 V DC ±10%		
Ambient temperature/humidity	0 to 50°C 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 24 V DC ±10% variation	±0.2% of span for 24 V DC ±10% variation	
Power consumption	24 V DC, 60 mA (Voltage output) and 24 V DC, 82 mA (Current output)		
Dimensions	72 (2.83") H × 24 (0.94") W × 127 (5.00") D mm (inch)		
Weight	Approx. 130 g		
Accessories	Tag number label: 1 sheet  Mounting blocks: 2 pcs.		

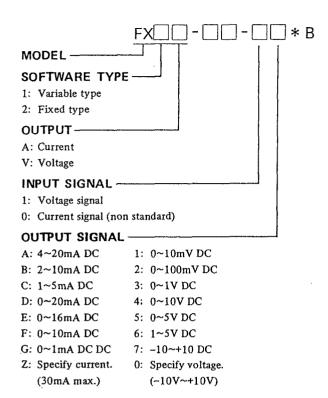
Specify the following when ordering:

(\*1) Measuring range from □ to □ V

(\*2) 1st-order lead time constant; □ sec.

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Range of Input  0~10V DC  nput resist. 250Ω):  current) shall be within the voltage input signal.
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voltage input signal.
Recommended Range
4~20mA DC
2~10mA DC
0~20mA DC
0~16mA DC
0~10mA DC
0~10V DC
0~ 5V DC
1~ 5V DC
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(Note) Change of input between voltage and current is impossible by Handy Terminal.

### OUTPUT RESISTANCE AND LOAD RESISTANCE

Output Signal	Load Resistance	Output Impedance
4 to 20mA DC	0 to 750Ω	
2 to 10mA DC	0 to 1500Ω	
1 to 5mA DC	0 to 3000Ω	
0 to 20mA DC	0 to 750Ω	5MΩ or more
0 to 16mA DC	0 to 900Ω	
0 to 10mA DC	0 to 1500Ω	
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	100K32 Of infore	
0 to 1V DC		1Ω or less
0 to 5V DC	2kΩ or more	
1 to 5V DC		
0 to 10V DC	401-0	
-10 to +10V DC	10kΩ or more	