

# JUXTA W Series

## General Specification

Model WX3□-LS (Variable software type)  
Low Selector

JUXTA

### 1. GENERAL

This is a variable software type computing unit which accepts two mV inputs signal from a converter and outputs one input signal whichever is the lower as isolated various voltage or current signal.

### 2. SPECIFICATION

Model No.	WX3A-LS, WX3V-LS
Input signal	mV signal:two points
Measuring range	-2 to 10mV (There is accuracy limitation for spans of more than 3mV and less than 10mV.) -10 to 50mV (For span of more than 10mV) -50 to 250mV (For span of more than 50mV) -100 to 1250mV (For span of more than 250mV) (*1)
Input resistance	1MΩ (At power failure: More than 3kΩ)
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	±0.2% of measuring span
Signal insulation	Between input signal and output signal, power supply circuit and grounding
Insulation resistance	Between input signal and output signal, power supply circuit and grounding:100MΩ/500V DC
Dielectric strength	Between input signal and output signal, power supply circuit and grounding, and power supply circuit and output signal and grounding:1500V AC/min Between output signal and grounding:1000V AC/min
Power supply voltage	85 to 264V AC 47 to 63Hz or 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	±0.2% of span for 85 to 264V AC or 24V DC ±10% regulation
Power consumption	100V AC, 7.0VA (voltage output) and 100V AC, 8.5VA (current output) 24V DC, 60mA (voltage output) and 24V DC, 82mA (current output)
Dimensions	72(2.83") H×48(1.89") W×127(5.00") D mm(inch)
Weight	Approx. 280g
Accessories	Tag number label : 1 sheet Mounting blocks:2pcs.

(\*1) Specify measuring range from □ to □mV.  
Range accuracy for span of less than 10mV:0.2×10/(mV input span)%

WX3□-LS-□□-□\* B

MODEL \_\_\_\_\_  
 SOFTWARE TYPE \_\_\_\_\_  
 3: 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. 0: Specify voltage.  
     (30mA max.)      (-10V~+10V)  
 POWER SOURCE \_\_\_\_\_  
 1: 24V DC ±10%  
 2: 85~264V AC

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 $0.2\% \times \frac{10 \text{ mV}}{\text{input span(mV)}} (\%)$		
Recommended Input Range		
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 15k Ω	

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