

# General Specifications

FX2A/V-FP  
Programmable Unit  
(Soft Variable Type)

JUXTA

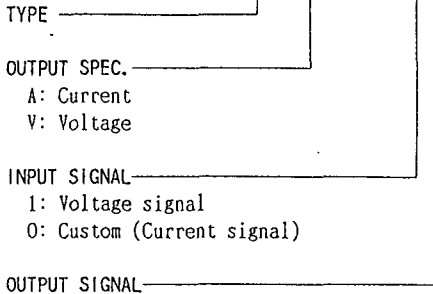
## 1. GENERAL

This soft variable type programmable unit inputs one voltage signal and one contact input from various converters and outputs isolated current or voltage signal after making various computation (after delivery, can decide function by making program freely through handy terminal).

## 2. SPECIFICATIONS

Input & Output	
Input signal	One DC voltage signal and one contact input
Measuring range	Voltage signal input is less than 0~10V DC and span is more than 2V Current signal input (input resistance : 250 $\Omega$ x input current : lin) should satisfy measuring range of voltage signal input
Input resistance	1M $\Omega$ (more than 100K $\Omega$ when power off)
Allowable applied voltage	-15~+15V DC
Output signal	Direct current or voltage signal
Standard Performance	
Accuracy rating	$\pm 0.2\%$ of span [when input (%) % = output (%)]
Response speed	500ms 63% response (10~90%)
Signal insulation	Between any of input, output, and power supply
Insulation resistance	100M $\Omega$ (at 500V DC) between input~output/power supply and output~power supply
Withstand voltage	1500V AC/minute between input~output/power supply 500V AC/minute between output~power supply
Ambient temperature & humidity	Normal operating condition : 0~50 $^{\circ}$ C, 5~90%RH Possible operating limit : -10~60 $^{\circ}$ C, 5~95%RH Transport & storing condition : -40~70 $^{\circ}$ C, 5~95%RH (no condensation)
Power supply voltage	24V DC $\pm 10\%$
Effect of power supply voltage fluctuation	$\pm 0.1\%$ of span per fluctuation of 24V DC $\pm 10\%$
Effect of ambient temperature change	$\pm 0.2\%$ of span per change of 10 $^{\circ}$ C
Power consumption	24V DC 60mA (FXIV-FP), 24V DC 82mA (FX1A-FP)
Mounting, Shape & Accessories	
Material	ABC plastic case
Board	Glass epoxy both side
Mounting method	Rack, Wall mount, DIN rail
Connecting method	M4 screws terminal connection
External dimension	72x24x127mm (HxWxD)
Weight	130g
Accessories	Tag number label .... 1      Mounting block .... 2

FX2□-FP-□□\*B



[FX1A-FP]

- A: 4~20mA DC
- B: 2~10mA DC
- C: 1~5mA DC
- D: 0~20mA DC
- E: 0~16mA DC
- F: 0~10mA DC
- G: 0~1mA DC
- Z: (Custom) Specify current signal (24mA max.)

[FX1V-FP]

- 1: 0~10mV DC
- 2: 0~100mV DC
- 3: 0~1V DC
- 4: 0~10V DC
- 5: 0~5V DC
- 6: 1~5V DC
- 7: -10~+10V DC
- 0: (Custom) Specify voltage signal (±10V max.)

POWER SUPPLY  
24V DC±10%

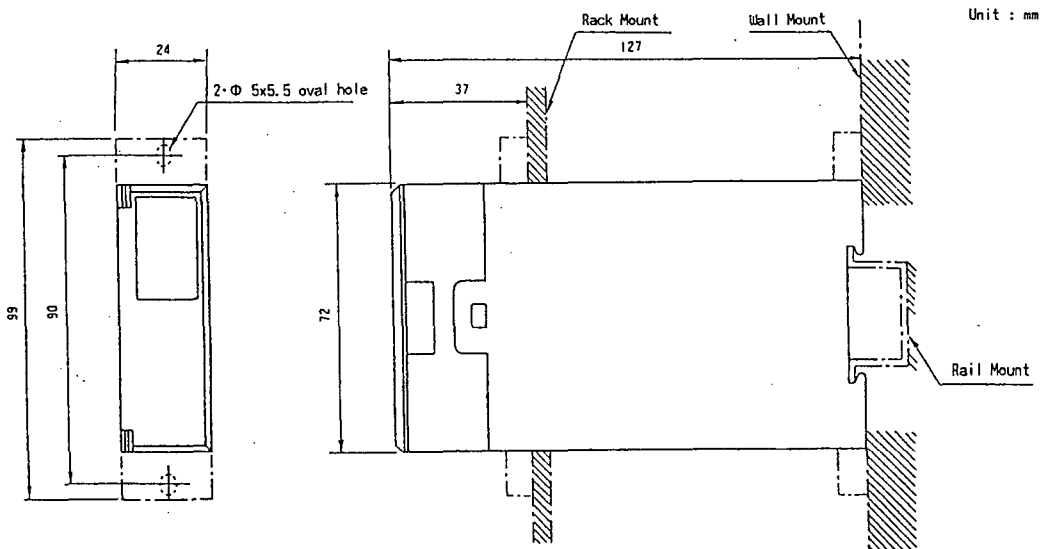
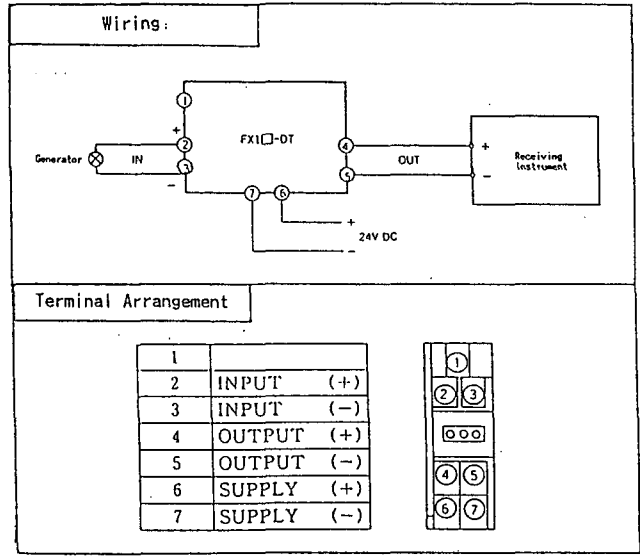
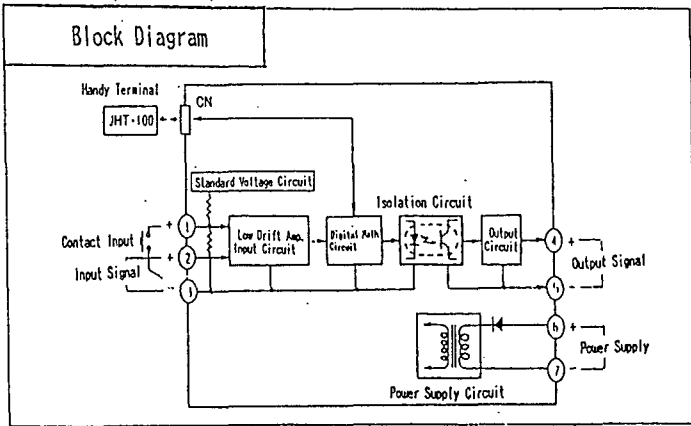
OUTPUT RESISTANCE AND LOAD RESISTANCE

FX2A-FP (DC Current Output Type)		
Output Signal	Output Resistance	Permissible Load Resistance
4~20mA DC	More than 5kΩ	0~750Ω
2~10mA DC		0~1500Ω
1~5mA DC		0~3000Ω
0~20mA DC		0~750Ω
0~16mA DC		0~900Ω
0~10mA DC		0~1500Ω
0~1mA DC		0~15kΩ
Others, $I_{100}$ is less than 2mA		Less than $(15/I_{100})\Omega$

$I_{100}$  : 100% output current value

FX2V-FP (DC Voltage Output Type)		
Output Signal	Output Resistance	Permissible Load Resistance
0~10mV DC	Less than 100Ω	More than 250kΩ
0~100mV DC		More than 2kΩ
0~1V DC	Less than 1Ω	" " 10kΩ
0~10V DC		" " 2kΩ
0~5V DC		" " 2kΩ
1~5V DC		" " 10kΩ
-10~+10V DC		" " 250kΩ
Others, $V_{100}$ is less than 10V	$V_{100} \leq 100mV$ Less than 100Ω	" " 10kΩ
	$V_{100} > 100mV$ Less than 1Ω	" " 250kΩ

$V_{100}$  : 100% output voltage value



Subject to change without notice for grade up quality and performance