

# *AFPX-C38AT: The new programmable controller*

## *FP-X Series*



### **Features:**

- 24 digital inputs, 14 digital outputs
- 4 analog inputs, 2 analog outputs
- Expandable with FP-X and FP0 modules
- Ports RS232C, RS485, Ethernet
- Up to 3 serial ports can be used simultaneously
- Operation speed 0.32 $\mu$ s/step (basic instructions)
- A program capacity of 32k steps
- Easy, direct connection to a PC with a conventional USB cable
- Built-in real-time clock

## Specifications

Item		AFPX-C38AT	
General	I/O points	38 (24DC inputs, 14 transistor NPN outputs)	
	Rated input voltage	24VDC	
	Input voltage range	100-240V AC	
	Operation speed	0.32μs/step (basic instruction)	
	Type of memory	Built-in Flash ROM	
	Program capacity	32k steps	
	Data register	32k words	
	High-speed counter	One-phase, 8 channels (4 channels with 50kHz, 4 channels with 10kHz)	
	Pulse outputs	2 channels with 100kHz, 2 channels with 20kHz	
	Potentiometer	2 potentiometers, resolution 10-bit, 0-1000	
	Serial interface	USB, RS232C, other interfaces available using add-on cassettes	
	Real-time clock	Calendar function (year, month, day, minute, second, days of week), optional battery required	
	Supported function	Password protection (4 or 8 characters), upload protection	
	Analog inputs	Number of inputs	4
Input values		Voltage range	0-10V, 0-5V DC
		Current range	0-20mA
Digital value		K0-K4000	
Resolution		12-bit (1/4000)	
Conversion speed		1ms/channel	
Accuracy		±1% over the entire range from 0° to 55°C	
Input impedance		Voltage range	40kΩ or higher
		Current range	250Ω
Absolute max. input voltage		Voltage range	-0.5V , +15V (voltage input)
		Current range	30mA (current input)
Insulation method			Non insulation
Analog outputs	Number of outputs	2	
	Output values	Voltage range	0-10V DC
		Current range	0-20mA
	Digital value	K0-K4000	
	Resolution	12-bit (1/4000)	
	Conversion speed	1ms/channel	
	Accuracy	±1% over the entire range from 0° to 55°C	
	Absolute max. output		10mA (voltage output)
	Insulation method		Non insulation

## Dimensions (in mm)

