

AFPX-C38AT: The new programmable controller

FP-X Series



Features:

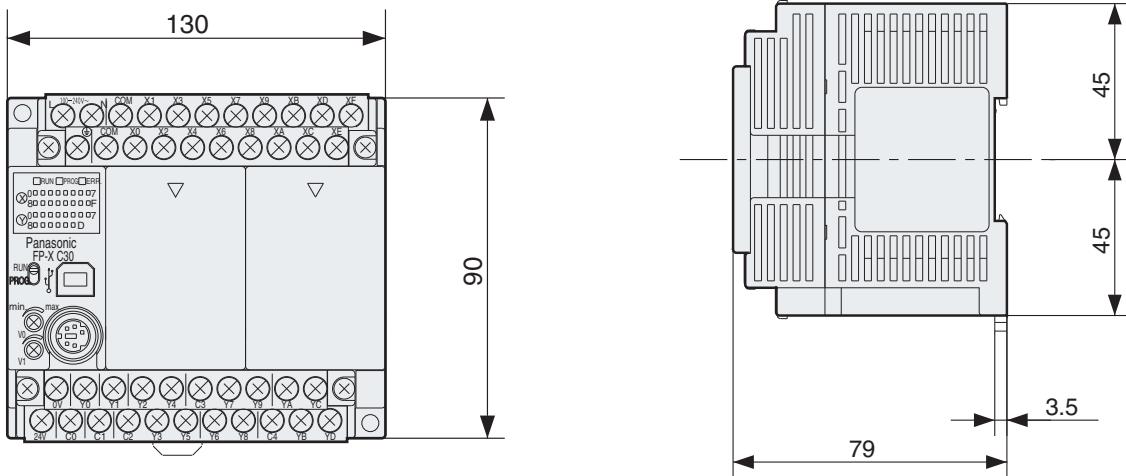
- 24 digital inputs, 14 digital outputs
- 4 analog inputs, 2 analog outputs
- Expandable with FP-X and FP0 modules
- Ports RS232C, RS485, Ethernet
- Up to 3 serial ports can be used simultaneously
- Operation speed 0.32µs/step (basic instructions)
- A program capacity of 32k steps
- Easy, direct connection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

FP-X Series / FPX-C38AT

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
Analog inputs	Supported function	Password protection (4 or 8 characters), upload protection
	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)
Analog outputs	Insulation method	Non insulation
	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)



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