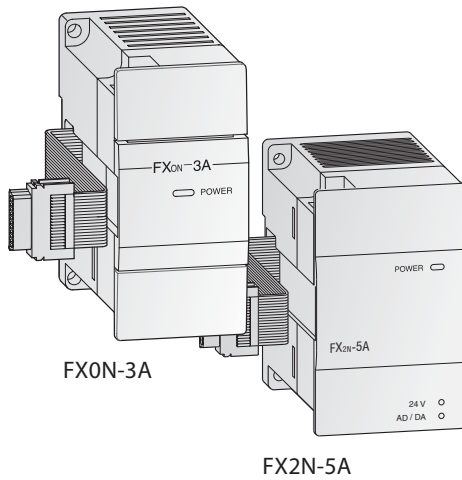


■ Combined Analog I/O Modules

□ FX1S FX1N FX3G FX3U FX3UC



FX0N-3A, FX2N-5A, FX3U-3A-ADP

The analog input/output modules are available in two different models. They provide the user with 2 or 4 analog inputs and 1 analog output. They serve for conversion of analog process signals into digital values, and vice versa.

As of the FX2N-5A module the analog inputs can be selected between current or voltage input signals.

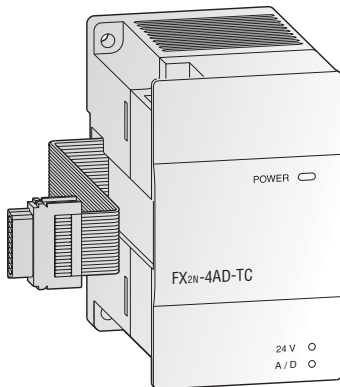
Note: The FX2N-5A may not be used in combination with a FX1N series base unit.

Specifications		FX0N-3A	FX2N-5A	FX3U-3A-ADP
Number of analog points	inputs	2	4	2
	outputs	1	1	1
Input (resolution)	voltage	0—+10 V (8 bit), 0—+5 V (8 bit)	-10—+10 V (15 bit + sign), -100—+100 mV (11 bit + sign)	0—+10 V (2.5 mV/12 bit)
	current	0/4—+20 mA (8 bit)	-20—+20 mA (14 bit + sign), 0/4—+20 mA (14 bit)	4—+20 mA (5 μA/12 bit)
Output (resolution)	voltage	0—+10 V (8 bit), 0—+5 V (8 bit)	-10—+10 V (12 bit)	0—+10 V (2.5 mV/12 bit)
	current	4—+20 mA (8 bit)	0/4—+20 mA (10 bit)	4—+20 mA (4 μA/12 bit)
Total accuracy		±1 %	±0.3–1 %*	±0.5–1 %*
Power supply	5 V DC	30 mA (from base unit)	70 mA (from base unit)	20 mA (from base unit)
	24 V DC	90 mA (from base unit)	90 mA	90 mA
Related I/O points		8	8	0
Weight	kg	0.2	0.3	0.1
Dimensions (WxHxD)	mm	43x90x87	55x90x87	17.6x90x89.5
Order information		Art. no. 41790	153740	221549

*Dependent on the ambient temperature

■ Analog Temperature Input Modules

□ FX1S FX1N FX3G FX3U FX3UC



FX2N-4AD-TC, FX2N-4AD-PT, FX2N-2LC

The analog input module for thermocouples FX2N-4AD-TC is used for processing temperatures. It has 4 independent inputs for detecting signals from thermocouples of types J and K. The type of thermocouple can be chosen independently for each point.

The analog input module for Pt100 inputs FX2N-4AD-PT permits the connection of four Pt100 sensors to the FX2N/FX3U series controller.

The temperature control module FX2N-2LC is equipped with two temperature input points and two transistor (open collector) output points. It is used to read temperature signals from thermocouples and Pt100 sensors, and performs PID output control

Note: The FX2N-2LC may not be used in combination with a FX1N series base unit.

Specifications		FX2N-4AD-TC	FX2N-4AD-PT	FX2N-2LC
Analog inputs		4 (J or K type)	4 (Pt100 sensors)	2 points
Compensated temperature range °C		-100—+600 (J type)/ -100—+1200 (K type)	-100—+600	Thermocouple and Pt100 sensor
Digital outputs		-1000—+6000 (J type)/ -1000—+12000 (K type)	-1,000–6,000 (12 bit conversion)	2 transistor output points
Resolution		0.3 (J type) / 0.4 (K type)	0.2–0.3 °C	0.1 °C or 1 °C
Total accuracy		±0.5 % fullscale +1 °C	±1.0 % fullscale	±0.7 % fullscale (±0.3 % when ambient temperature is 23 °C ±5 °C)
Power supply	5 V DC	40 mA (from base unit)	30 mA (from base unit)	70 mA (from base unit)
	24 V DC	60 mA	50 mA	55 mA
Related I/O points		8	8	8
Weight	kg	0.3	0.3	0.3
Dimensions (WxHxD)	mm	55x90x87	55x90x87	55x90x87
Order information		Art. no. 65588	65587	129196