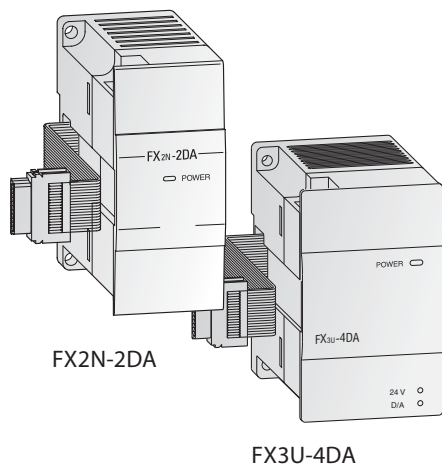


■ Analog Output Modules

FX1S  FX1N  FX3G  FX3U  FX3UC



**FX2N-2DA, FX2N-4DA, FX3U-4DA**

The analog output modules provide the user with 2 to 4 analog outputs. The modules convert digital values from the FX1N/FX3G/FX3U controller to the analog signals required by the process. The module can output both current and voltage signals.

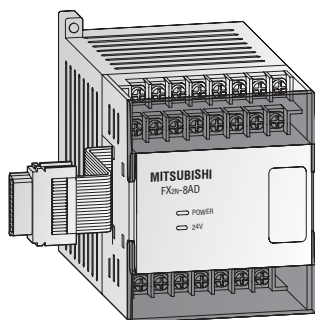
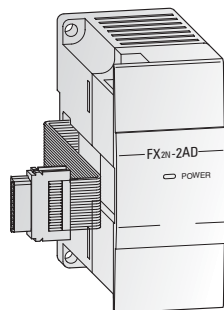
Note: The FX3U-4DA can only be used in combination with a FX3G/FX3U series base unit.

Specifications		FX2N-2DA	FX2N-4DA	FX3U-4DA
Analog channels	inputs	—	—	—
	outputs	2	4	4
Analog output range		0—+10 V DC/ 0—+5 V DC/ 4—+20 mA	-10—+10 V DC/ 0—+20 mA/ 4—+20 mA	-10—+10 V DC/ 0—+20 mA/ 4—+20 mA
Resolution	voltage	2.5 mV (12 bits)	5 mV (10 bits)	0.32 mV (16 bits + sign)
	current	4 μA (12 bits)	20 μA (11 bits + sign)	0.63 μA (15 bits)
Fullscale overall accuracy		±1 %	±1 %	±0.3–0.5 %*
Power supply	5 V DC	30 mA (from base unit)	30 mA (from base unit)	100 mA (from base unit)
	24 V DC	85 mA	200 mA	160 mA
Related I/O points		8	8	8
Weight	kg	0.3	0.3	0.2
Dimensions (WxHxD)	mm	43x90x87	55x90x87	55x90x87
<b>Order information</b>		Art. no. 102868	65586	169509

\* Dependent on the ambient temperature

■ Analog Input Modules

FX1S  FX1N  FX3G  FX3U  FX3UC



**FX2N-2AD, FX2N-4AD, FX3U-4AD, FX2N-8AD**

The analog input modules provide the user with 2 to 8 analog inputs. The module converts analog process signals into digital values which are further processed by the MELSEC FX1N/FX3G/FX3U controller.

The actual values or mean values over several measurements may be output.

Note: The FX3U-4AD can only be used in combination with a FX3G/FX3U series base unit.

Specifications		FX2N-2AD	FX2N-4AD	FX3U-4AD	FX3UC-4AD	FX2N-8AD
Analog channels	inputs	2	4	4	4	8
	outputs	—	—	—	—	—
Analog input range		0—+10 V DC/ 0—+5 V DC/ 0/ 4—+20 mA	-10—+10 V DC/ -20—+20 mA/ 4—+20 mA	-10—+10 V DC/ -20—+20 mA/ 4—+20 mA	-10—+10 V DC/ -20—+20 mA/ 4—+20 mA	-10—+10 V DC/ -20—+20 mA/ 4—+20 mA
Resolution	voltage	2.5mV, 1.25mV/ 4 μA (12 bits)	5 mV (11 bits + sign)	0.32 mV (16 bits + sign)	0.32 mV (16 bits + sign)	0.63 mV (14 bits + sign)
	current	4 μA (12 bits)	20 μA (10 bits + sign)	1.25 μA (15 bits + sign)	1.25 μA (15 bits + sign)	2.5 μA (13 bits + sign)
Fullscale overall accuracy		±1 %	±1 %	±0.3–1 %*	±0.3–1 %*	±0.3–0.5 %*
Power supply	5 V DC	20 mA (from base unit)	30 mA (from base unit)	110 mA (from base unit)	100 mA (from base unit)	50 mA (from base unit)
	24 V DC	50 mA (from base unit)	55 mA	90 mA	80 mA	80 mA
Related I/O points		8	8	8	8	8
Weight	kg	0.3	0.3	0.2	0.13	0.4
Dimensions (WxHxD)	mm	43x90x87	55x90x87	55x90x87	20.2x90x79	75x105x75
<b>Order information</b>		Art. no. 102869	65585	169508	210090	129195

\* Dependent on the ambient temperature

Note: The FX2N-8AD can be configured to accept standard analog inputs as well as selected temperature inputs such as K, T or J type thermocouples.