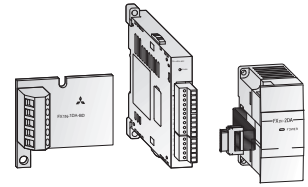


FX Output Options

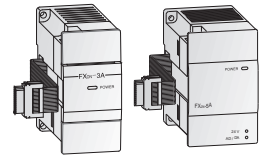


Analog Output

Analog output modules provide up to 4 analog outputs that are used to convert digital values in the PLC to voltage or current signals.

| Model Number | FX1N-1DA-BD | FX3G-1DA-DB | FX3U-4DA-ADP | FX3U-4DA | FX2N-2DA | FX2N-4DA | FX2NC-4DA |
|--------------------------------|--------------------------------|--------------------------------|--|---|---|--|--|
| Stocked Item | S | S | S | S | S | S | S |
| Rating | CE | | UL • cUL • EC (EMC) | | | | |
| Power Supply | 5 VDC (from main unit) | 5 VDC (from main unit) | 5 VDC / 15 mA (from main unit) 24 VDC / 150 mA | 5 VDC / 120 mA (from main unit) 24 VDC / 160 mA | 5 VDC / 30 mA (from main unit) 24 VDC / 85 mA (from main unit) | 5 VDC / 30 mA (from main unit) 24 VDC / 200 mA | 5 VDC / 30 mA (from main unit) 24 VDC / 130 mA |
| Analog Channels (Output) | 1 | 1 | 4 | 4 | 2 | 4 | 4 |
| Analog Output Range | 0 to 10 VDC / 4 to 20 mA DC | 0 to 10 VDC / 4 to 20 mA DC | 0 to 10 VDC / 4 to 20 mA DC | -10 to 10 VDC / 0 to 20 mA / 4 to 20 mA DC | 0 to 10 VDC / 0 to 5 VDC / 4 to 20 mA DC | 0 to 10 VDC / 0 to 20 mA DC / 4 to 20 mA DC | -10 to 10 VDC / 0 to 20 mA DC / 4 to 20 mA DC |
| Resolution | Voltage | 2.5 mV (12 bit) | 2.5 mV (12 bit) | 2.5 mV (12 bit) | 0.32 mV (15 bit + sign) | 2.5 mV (14 bit) | 5 mV (11 bit + sign) |
| | Current | 8 µA (11 bit) | 8 µA (11 bit) | 4 µA (12 bit) | 0.63 µA (15 bit) | 4 µA (12 bit) | 20 µA (10 bit + sign) |
| Overall Accuracy for Fullscale | ±1% | ±1% | ±5% - 1%* | ±0.3% - 0.5%* | ± 1%* | ± 1%* | ±0.5% - 1%* |
| Related I/O Points | 0 | 0 | 0 | 8 | 8 | 8 | 8 |
| Weight (kg) | 0.02 | 0.02 | 0.1 | 0.2 | 0.2 | 0.3 | 0.13 |
| Dimensions (W x H x D) mm | 43 x 38.5 x 22 | 35 x 51 x 29.2 | 17.6 x 90 x 89.5 | 55 x 90 x 87 | 43 x 90 x 87 | 55 x 90 x 87 | 24.2 x 90 x 89 |
| Applicable PLCs | FX1S / FX1N | FX3G | FX3U / FX3UC / FX3G | | FX3U / FX3UC / FX3G / FX1N | | FX3UC |

Note: Dependent on the ambient temperature.



Combination Analog Input / Output Modules

Combination analog input / output modules are used for both digital to analog and analog to digital conversion.

| Model Number | FX0N-3A | | FX2N-5A | |
|----------------------------------|---|---|---|--|
| Stocked Item | S | | S | |
| Rating | CE (EMC) | | UL • cUL • EC (EMC) | |
| Power Supply | 5 VDC / 30 mA (from main unit) 24 VDC / 90 mA (from main unit) | | 5 VDC / 70 mA (from main unit) 24 VDC / 90 mA | |
| Analog Channels | Input | 2 | 4 | |
| | Output | 1 | 1 | |
| Analog Input Range (Resolution) | Voltage | 0 to 10 VDC (8 bit); 0 to 5 VDC (8 bit) | -10 to 10 V (15 bit + sign) -100 to 100 mV (11 bit + sign) | |
| | Current | 4 to 20 mA DC (8 bit) | -20 to 20 mVDC (14 bit + sign) 4 to 20 mA DC (14 bit) | |
| Analog Output Range (Resolution) | Voltage | 0 to 10 VDC (8 bit); 0 to 5 VDC (8 bit) | -10 to 10 VDC (12 bit) | |
| | Current | 4 to 20 mA DC (8 bit) | 0/4 to 20 mA DC (10 bit) | |
| Overall Accuracy for Fullscale | ±1% | | ±0.3 - 1%* | |
| Related I/O Points | 8 | | 8 | |
| Weight (kg) | 0.2 | | 0.3 | |
| Dimensions (W x H x D) (mm) | 43 x 90 x 87 | | 55 x 90 x 87 | |
| Applicable PLCs | FX3U / FX3UC / FX1N | | FX3U / FX3UC / FX3G / FX1N | |

Note: When attaching the FX0N-3A or FX2N-5A analog modules to an FX3UC main unit, the FX2NC-CNV-IF interface adapter or the FX3UC-1PS-5V power supply unit is required.