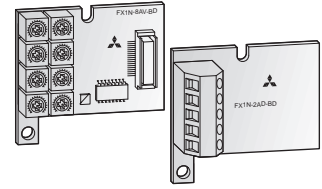


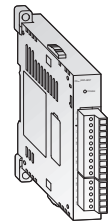
FX Analog Options



Analog Setpoint

The analog setpoint boards provide 8 analog setpoint potentiometers to the FX system. Setpoints can be polled by the PLC and used as default values for timers, counters and data registers.

| Model Number | FX1N-8AV-BD | FX3G-8AV-BD |
|---------------------------|----------------------|--------------|
| Stocked Item | S | S |
| Rating | CE | |
| Power Supply | 5 VDC from main unit | |
| Analog Channels (Inputs) | 8-bit | 8-bit |
| Related I/O Points | 0 | 0 |
| Weight | 0.02 | 0.02 |
| Dimensions (W x H x D) mm | 43 x 38.5 x 22 | 35 x 51 x 12 |
| Applicable PLCs | FX1S / FX1N | FX3G |



Analog Input

Analog input modules can provide up to 8 analog inputs that are used to convert analog voltage or current signals into digital values which can be used by the FX PLC.

| Model Number | FX1N-2AD-BD | FX3G-2AD-BD | FX3U-4AD-ADP | FX3U-4AD | FX3UC-4AD | |
|--------------------------------|-------------------------|-------------------------|---|--|--|-------------------------|
| Stocked Item | S | S | S | S | - | |
| Rating | CE | | UL • cUL • CE | | | |
| Power Supply | 5 VDC (from main unit) | 5 VDC (from main unit) | 5 VDC / 15 mA (from main unit) 24 VDC / 40 mA | 5 VDC / 110 mA (from main unit) 24 VDC / 90 mA | 5 VDC / 100 mA (from main unit) 24 VDC / 80 mA | |
| Analog Channels (Input) | 2 | 2 | 4 | 4 | 4 | |
| Analog Range | 0 to 10 VDC / 4 – 20 mA | 0 to 10 VDC / 4 – 20 mA | 0 to 10 VDC / 4 – 20 mA | -10 to 10 VDC / -20 to +20mA/ 4 to 20 mA DC | -10 to 10 VDC / -20 to +20mA/ 4 to 20 mA DC | |
| Resolution | Voltage | 2.5 mV (12 bit) | 2.5 mV | 2.5 mV (12 bit) | 0.32 mV (15 bit + sign) | 0.32 mV (15 bit + sign) |
| | Current | 8 µA (11 bit) | 8 µA (11 bit) | 10 µA (11 bit) | 1.25 µA (14 bit + sign) | 1.25 µA (14 bit + sign) |
| Overall Accuracy for Fullscale | ±1% | | ±0.5% – 1% (*1) | | ± 0.3 – 1% fullscale (*1) | |
| Related I/O Points | 0 | 0 | 0 | 8 | 8 | |
| Weight (kg) | 0.02 | 0.02 | 0.1 | 0.2 | 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 | 20.2 x 90 x 89 | |
| Applicable PLCs | FX1S / FX1N | FX3G | FX3U / FX3UC / FX3G | FX3U / FX3UC / FX3G | FX3UC | |

| Model Number | FX2N-2AD | FX2N-4AD | FX2NC-4AD | FX2N-8AD (*2) | |
|--------------------------------|--|--|--|---|-------------------------|
| Stocked Item | S | S | S | S | |
| Rating | UL • cUL • CE (EMC) | | | | |
| Power Supply | 5 VDC / 20 mA (from main unit) 24 VDC / 50 mA (from main unit) | 5 VDC / 30 mA (from main unit) 24 VDC / 55 mA | 5 VDC / 50 mA (from main unit) 24 VDC / 130 mA | 5 VDC / 50 mA (from main unit) 24 VDC / 80 mA | |
| Analog Channels (Input) | 2 | 4 | 4 | 8 | |
| Analog Range | 0 to 10 VDC / 0 to 5 VDC / 4 to 20 mA DC | -10 to 10 VDC / -20 to 20 mA DC / 4 to 20 mA DC | -10 to 10 VDC / -20 to 20 mA DC / 4 to 20 mA DC | -10 to 10 VDC / -20 to 20 mA DC / 4 to 20 mA DC | |
| Resolution | Voltage | 2.5 mV (12 bit) | 5 mV (11 bit + sign) | 0.32 mV (15 bit + sign) | 0.63 mV (14 bit + sign) |
| | Current | 4 µA (12 bit) | 20 µA (10 bit + sign) | 1.25 µA (14 bit + sign) | 2.5 µA (13 bit + sign) |
| Overall Accuracy for Fullscale | Voltage | ±1% | ±1% | ±0.3% – 0.5% (*1) | ± 0.3 – 0.5% (*1) |
| | Current | | | ± 0.5 – 1.0% (*1) | |
| Related I/O Points | 8 | 8 | 8 | 8 | |
| Weight (kg) | 0.2 | 0.3 | 0.13 | 0.4 | |
| Dimensions (W x H x D) mm | 43 x 90 x 87 | 55 x 90 x 87 | 20.2 x 90 x 89 | 75 x 90 x 75 | |
| Applicable PLCs | FX3U / FX3UC / FX3G / FX1N | | FX3UC | FX3U / FX3UC / FX1N | |

Notes:

1. Dependent on the ambient temperature.
2. 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.