PROGRAMMABLE CONTROLLERS

FX3S series
FX3G-4EX-BD FX3G-2EYT-BDFX3G-485-BD-RJ

FX3S series analog input built-in type
FX3S series DC power supply type
FX3S/FX3G series expansion boards

Additional line-up!

Please refer to the FX3S series user’s manual for other specifications.

Safety Warning
Registration

Specifications subject to change without notice.

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Burn for a greener tomorrow

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FX3S series
FX3S built-in analog input type
FX3S DC power supply type
FX3S series expansion board
Fx3/Ex series expansion boards

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FX3S/FX3G series expansion boards

Additional line-up!

Please refer to the FX3S series user’s manual for other specifications.
Easier to use. FX3s series line-up expanded with analog input built-in type and DC power supply type!

**FX3s series analog input built-in type**

- Expanded voltage input: 0 to 10 V DC
- Analog input performance specifications
  - Voltage input: 0 to 10 V DC (Input resistance: 115.7 kΩ)
  - Analog input range: 10 mV (10 V/1000)
  - Resolution: 10 bits, binary
  - Analog input performance: 1,020

**FX3s series DC power supply type**

- Increased program capacity: Up to 4,000 steps
- 2,000 steps file register capacity
- Up to 12,000 steps for comments
- In total, the built-in EEPROM of the FX 3S can store up to 16,000 steps
- Supports inverter communication instructions
- Supports floating point instructions
- Supports 116 applied instructions (31 more instructions than FX 1S)
- Built-in USB (Mini-B) port and RS-422 port
- 115.2 kbps serial communication
- USB port supports 12 Mbps communication speed

**FX3s series features**

- High-speed operation: FX3s processes basic instructions in 0.21 μs, which is faster by approximately 3 times compared with FX1s.
- Analog expansion board can be connected.
- Special analog adapter can be connected.
- Analog input adapter for temperature sensor can be connected.

**More functions available with new expansion boards! (for FX3s and FX3G)**

- Easy wiring of RS-485 communication by RJ45 connector
- Compact options for a few additional I/O*

**Example: Lighting control**

With integrated analog and special adapter expansion, it is possible to measure up to 6 analog inputs and control the lighting in the room accordingly.

**Example: Connecting with a Mitsubishi inverter**

FX3S-30MR/ES-2AD FX3S-14MR/DS
FX3S-30MT/ES-2AD FX3S-30MT/ESS-2AD
FX3G-2EYT-BDFX3G-485-BD
FX3G-4EX-BD
FX3S-485RJ
FX3S-485BD-RU
FX3G-2EYT-BD
FX3G-4EX-BD

*: FX3S Ver. 1.10 or later, FX3G Ver. 2.20 or later

**Compatibility with global standards**

- Conforms to the EC Directive and UL Standard.
- Conforms to the Radio Law in South Korea.
- Select between sink and source inputs.
- Supports inverter communication instructions.
- Supports floating point instructions.
- Supports 116 applied instructions (31 more instructions than FX 1S).
- Built-in USB (Mini-B) port and RS-422 port.
- 115.2 kbps serial communication.
- USB port supports 12 Mbps communication speed.

**Compatibility with global standards**

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- Select between sink and source inputs.

**Easy wiring of RS-485 communication by RJ45 connector**

Fast and fault-free wiring can be achieved using a LAN cable for RS-485 communication.

**Compact options for a few additional I/O**

4 inputs or 2 outputs can be added without any additional installation space.