FXAIM03 AI module

ControlNet™ FLEX I/O™ 0 to 5 V DC/1 to 5 V DC inputs : 8

*ControlNet™ is ControlNet International's registered trademark.
*FLEX I/O™ is Rockwell Automation's registered trademark.

ITEM	SPECIFICATION
Number of inputs	8
Isolation	Individual
Input range	0 to 5 V DC 1 to 5 V DC
Resolution	16 bits
Input impedance	More than 5 MΩ
Data format	16 bits 2's complement
Conversion type	Successive approximation
Conversion rate	5 μs/ch
Data refresh cycle	10 ms
Relative accuracy	±0.1% FSD
Temperature drift	Less than ±100 ppm/℃
Input filter (1)Analog filter (2)Digital filter	About 5.5 ms 0 ms, 50 ms, 100 ms, 500 ms (Programs selectable, whole channels batch setting)
Self-diagnostic functions	Watchdog timer Power supply voltage low Bus time-out
Indicator	LED × 1 2 modes 　　　Green　　(Normal) 　　　Red　　　(Abnormal)
Compatible terminal bases	1794 - TB3/TB3S 1794 - TBN/TBNF
Dielectric strength	AC 500 V 　Between input terminal and FG (1 min.) 　Between input channels (1 min.)
Environmental conditions	(Operating) 　Temperature：0 to 55℃ 　Humidity：5 to 95% RH (No condensation) (Storage) 　Temperature：-40 to 85℃ 　Humidity：5 to 95% RH (No condensation)
Power supply	DC 24 V ±10% / Less than 40 mA DC 5 V / Less than 80 mA (FLEX BUS)
Shock/Vibration	15 G / 2 G @ 10 to 500 Hz
Dimensions	75 mm (D) × 46 mm (H) × 94 mm (W)

■ Outline

＊ Number of inputs : 8 (0 to 5 V DC/1 to 5 V DC)
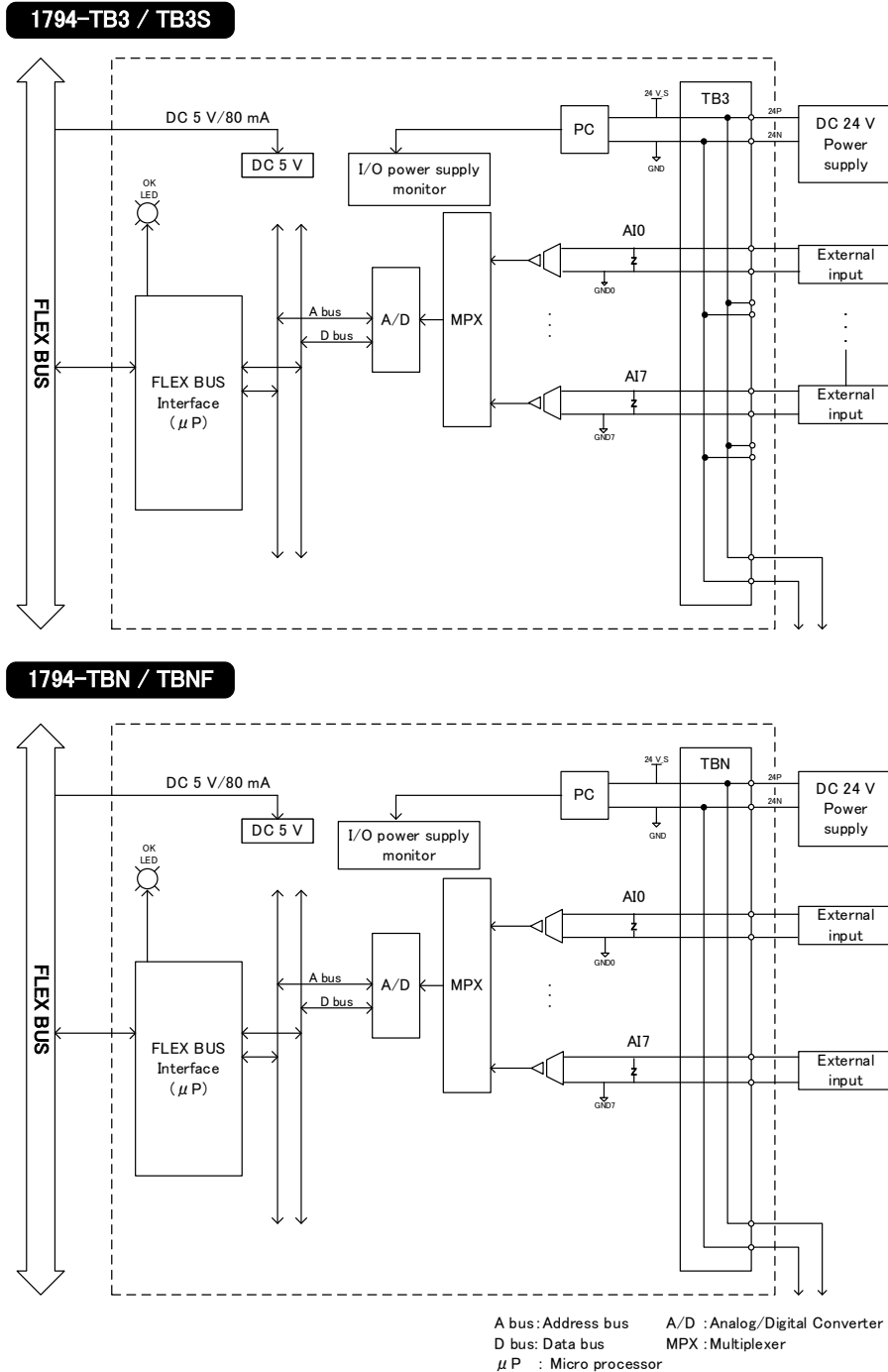
＊ FLEX I/O™ / ControlNet™ LAN compatible

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CGS-N2205-E-07 (2021. 10. 29)
SL : 1 ECT : N/A

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FXAIM03 block diagram

1794-TB3 / TB3S

1794-TBN / TBNF

A bus : Address bus   A/D : Analog/Digital Converter
D bus : Data bus   MPX : Multiplexer
μP : Micro processor

When using, please read the instruction manual attached to the product carefully and use it properly.
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