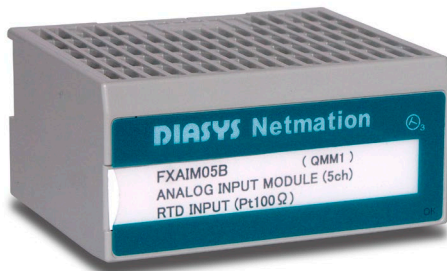# FXAIM05B AI module

ControlNet™ FLEX I/O™ Resistance temperature detector (RTD) inputs : 5

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

DIASYS Netmation

FXAIM05B   (QMM1)
ANALOG INPUT MODULE (5ch)
RTD INPUT (Pt100Ω)

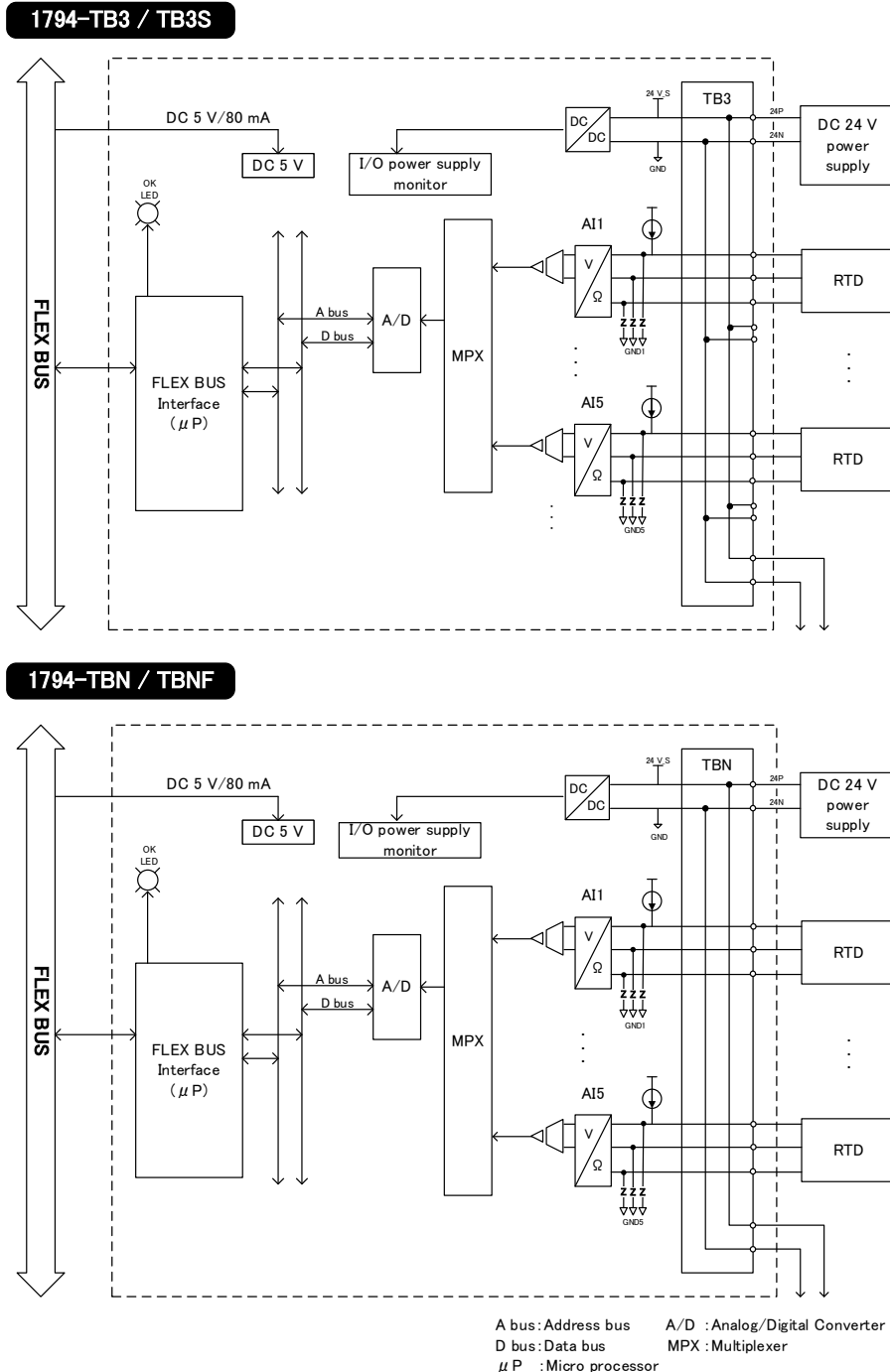| ITEM	SPECIFICATION
Number of inputs	5
Wiring method	3 wiring methods
Isolation	Individual
Input range	RTD : -40 to 60℃
Resolution	16 bits
Input impedance	More than 5 MΩ
Data format	16 bits 2's complement
Conversion type	Successive approximation
Conversion rate	5 μs/ch
Data refresh cycle	30 ms
Relative accuracy	±0.1% FSD
Temperature drift	Less than ±100 ppm/℃
Input filter (1)Analog filter (2)Digital filter	About 3.4 ms 0 ms, 50 ms, 100 ms, 500 ms (Program 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 50 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 : 5
  (Resistance temperature detector)

* RTD type : Pt 100 Ω

* Input range : -40 to 60 ℃

* FELX I/O™ / ControlNet™ LAN compatible

This product uses technology licensed from Rockwell Automation Technologies, Inc.

DIASYS Netmation®

Mitsubishi Power is a power solutions brand of Mitsubishi Heavy Industries.

MOVE THE WORLD FORW>RD MITSUBISHI HEAVY INDUSTRIES GROUP

CGS-N2216-E-07 (2021. 10. 29)
SL : 1 ECT : N/A

FXAIM05B AI module

ControlNet™ FLEX I/O™ Resistance temperature detector (RTD) inputs : 5

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

FXAIM05B 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

DIASYS Netmation®

Mitsubishi Power is a power solutions brand of Mitsubishi Heavy Industries.

MOVE THE WORLD FORW>RD MITSUBISHI HEAVY INDUSTRIES GROUP

CGS-N2216-E-07 （2021. 10. 29）