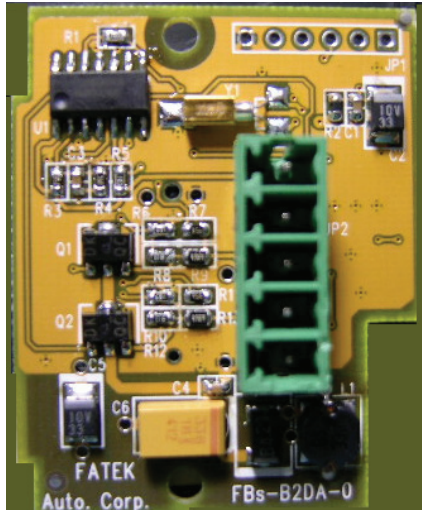


FBs- B2DA

Analog Output Expansion Board



Introduction

FBs-B2DA is one of the analog output expansion boards of FATEK FBs series PLC. it provides 2 channels of 12-bit (coded in 14 bits) analog outputs. For safety, the output signals will be automatically forced to zero(0V or 0mA) when the board is not serviced by CPU for 0.5 second. The Output signal types (voltage or current) can be selected by the field wiring.

Pin Assignment

	Analog Output
V00	●
I00	●
V01	●
I01	●
Gnd	●

Specification

Total Channels : 2 Channels

Resolution : 12 bits

Coding Format : 14 bits (0 ~ 16380)

Signal Resolution : 2.44mV(Voltage), 4.88uA(Current)

Registers Occupied : 2 Register (D4076 ~ D4077)

Conversion Time : Updated each scan

Accuracy: $\pm 1\%$

Max. and Min. output loading :

Voltage Output : $2K \sim 1M\Omega$

Current Output : $0 \sim 500\Omega$

Output Range : $0 \sim 10V$ (Voltage)

$0 \sim +20mA$ (Current)

Internal Power Consumption : 5V, 150mA(Max. load)

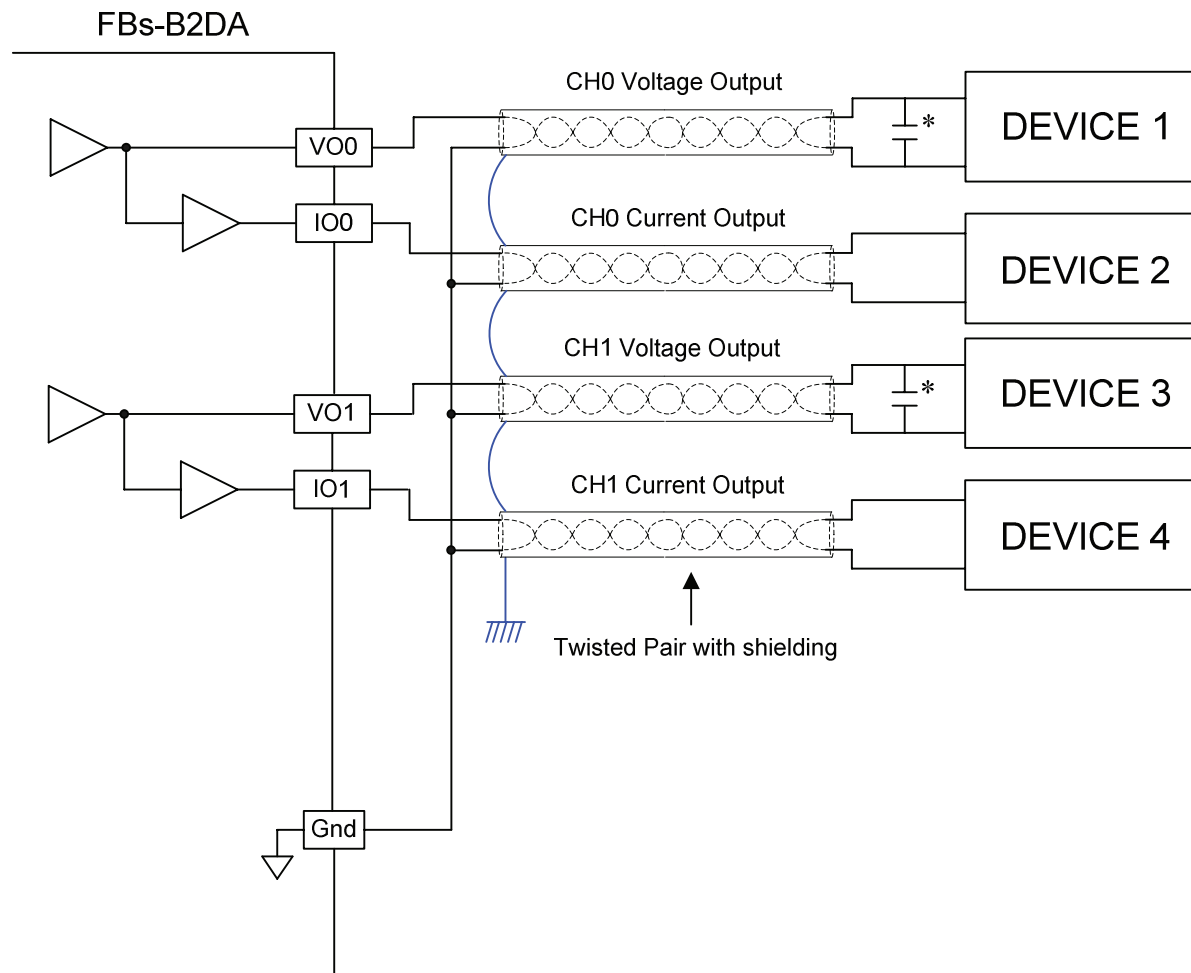
Operating Temperature : $0 \sim 60^{\circ}C$

Storage Temperature : $-20 \sim 80^{\circ}C$

FBs- B2DA

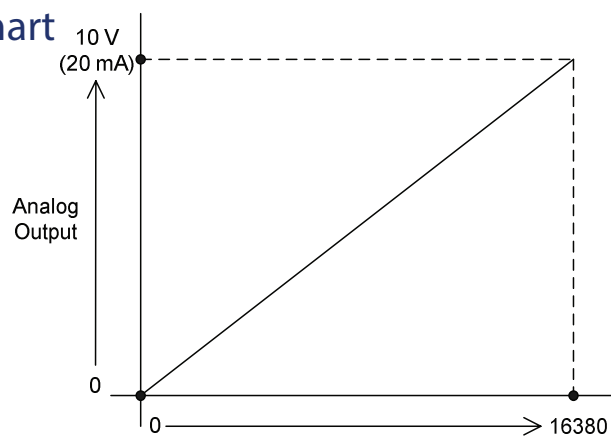
Analog Output Expansion Board

Wiring Diagram



* 0.1~0.47 uF capacitor (to filter noise).....Advice to Install, but not necessary!!

Characteristics Chart



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Analog Output Expansion Board

Registers allocation Map

Channel No.		Mapped Register
Analog Output	CH0	D4076 (0 ~ 16380)
	CH1	D4077 (0 ~ 16380)