



Introduction

B1 - L 4 AD is one of the analog input module of FATEK B1 series PLC , it provides 4 channels of 12-bit (coded in 14 bits) analog inputs. °

Specification

Analog Output

Total Channels : 4 Channel

Resolution : 12 bits

Coding Format : 14 bits (0 ~ 16383)

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

Register Occupied : 4 Register (D4072~D4075)

Conversion Time : Updated each scan

Accuracy : $\pm 1\%$

Max. Absolute Input Rating :

$\pm 15\text{V}$ (Voltage), 30mA(Current)

Input Impedance : 100K Ω (Voltage), 125 Ω (Current)

Output Range : 0 ~ 10V(Voltage)

0 ~ +20mA(Current)

Indicator(s) : No

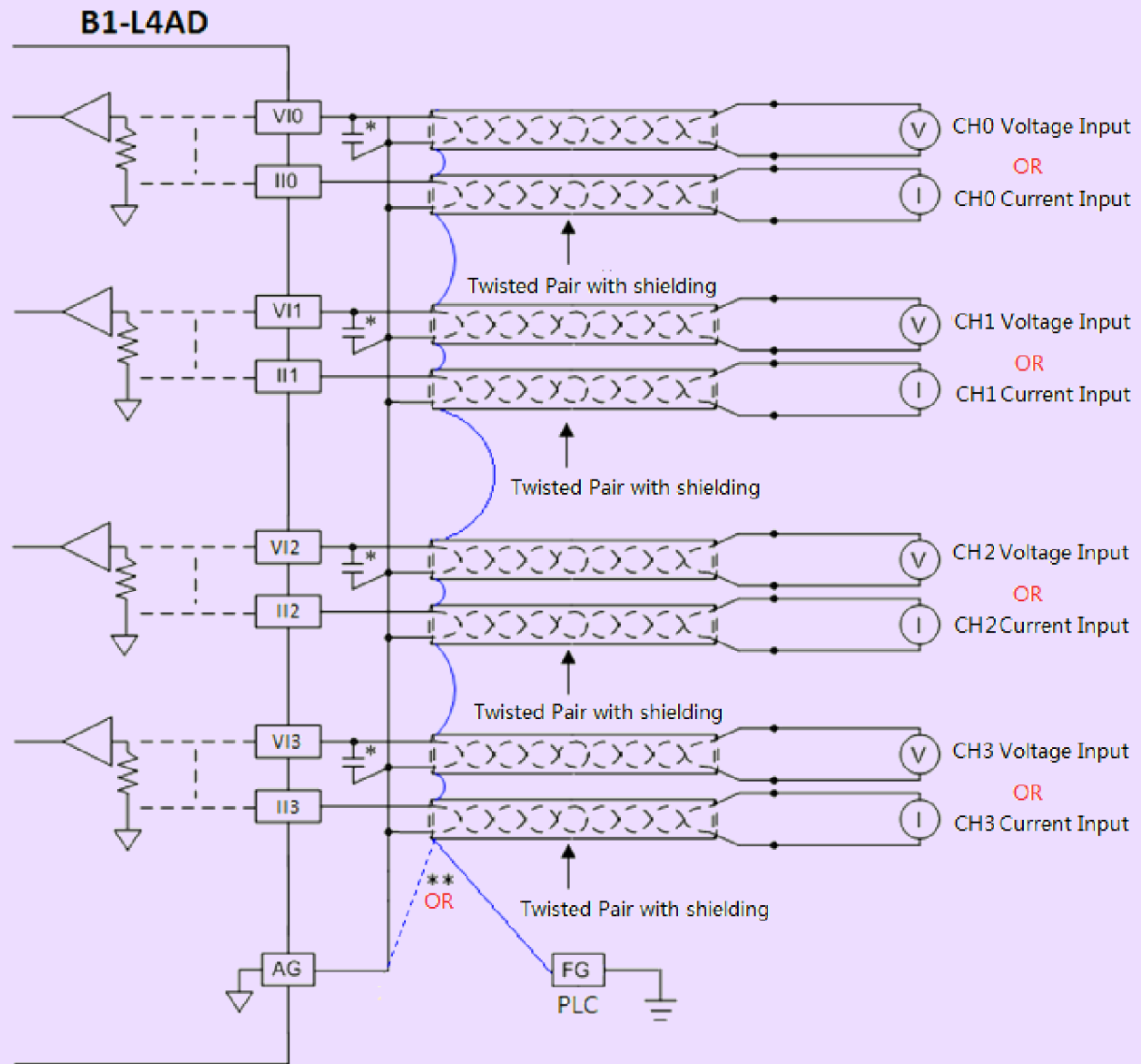
Internal Power Consumption : 5V, 25mA(Max.
Load)

Operating Temperature : 0 ~ 60 °C

Storage Temperature : -20 ~ 80 °C

Pin Diagram

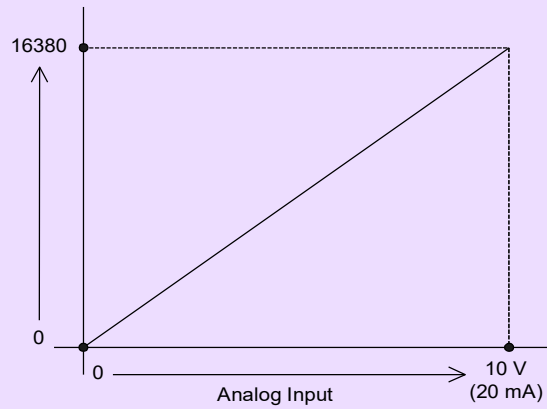


Wiring Diagram

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

** If you like to have Twisted pair with shielding connect to ground , we suggest you to connect FG of PLC,
if you can't connect to the FG of PLC, please connect to AG of module.

Characteristics Chart



Registers allocation Map

Channel No.		Mapped Register
Analog Output	CH0	D4072 (0 ~ 16383)
	CH1	D4073 (0 ~ 16383)
	CH2	D4074 (0 ~ 16383)
	CH3	D4075 (0 ~ 16383)

* Left Side Expansion Module has to add module manually in Winproladder.