

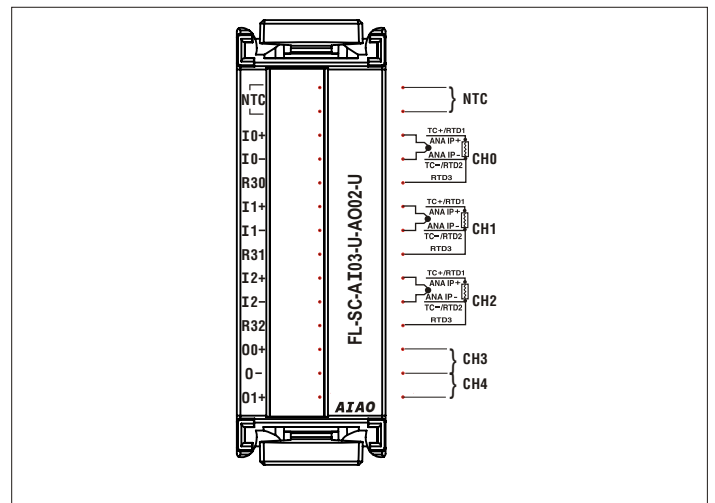
**Features :**

- Real - time channel sampling
- Plug in module
- Easy to connect & replace

**Input specifications**

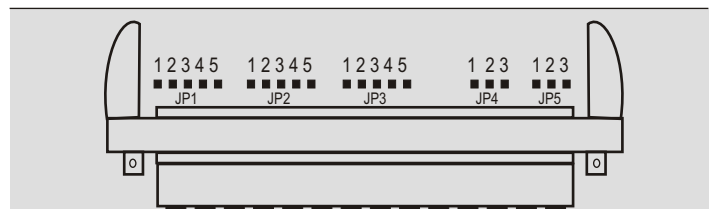
Analog inputs				
Item	Specifications			
Module	TC	RTD	Voltage	Current
No of channels per card	3			
Sensor	J, K, T, R, S, C, E, B, N, L, U, W, Platinum II, mV (-5 to 65mV)	PT100	0 - 10V	0 - 20mA
Input impedance in signal range	470KΩ	470KΩ	330KΩ	100Ω
Resolution	12 Bits			
Conversion time	100ms			
Analog input error at 25°C	0.25% of F.S. ±1°C	0.1% of F.S. ±1°C	±0.25% of F.S.	
Protection against polarity inversion	Yes			
Order code	FL-SC-AI03-U-AO02-U			

**Terminal diagram**



**Analog outputs**

Item	Specifications	
Module	Voltage type	current type
No. of channels per card	2	
Range	0 - 10V	0 - 20mA
Load limit	≥ 1KΩ	<500Ω
Digital resolution	0.0 - 100.0% = 0 - 10V	0.0 - 100.0% = 0 - 20mA
Conversion time	100ms	
Analog output error at 25°C	±0.25% of F.S.	
None linearity	±0.25% of F.S.	



**General Specification**

Ambient Operating Temperature	0 to 55°C
Humidity	95%
Ambient Storage Temperature	-20 to 70°C
Weight	41 gms

**Analog inputs**

Sensor type	Jumper selection	Jumper No.
TC / RTD	Short Pin 1 & Pin 2	JP1, JP2, JP3 for CH0, CH1, CH2 respectively
Current	Short Pin 2 & Pin 3	
Voltage	Short Pin 4 & Pin 5	

**Analog outputs**

Current	Short Pin 1 & Pin 2	JP4, JP5 for CH3, CH4 respectively
Voltage	Short Pin 2 & Pin 3	

**Ordering information**

Product code	Description	Certification
FL-SC-AI03-U-AO02-U	3 Channel analog input – Universal, 2 Channel analog output – Universal card	CE RoHS in process