

INTELART

Robust in Automation

SB-01

Analog Output Signal Board

Technical Manual

www.intelart.ir

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Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

DANGER

Indicates that death or severe personal injury will result if proper precautions are not taken.

WARNING

Indicates that death or severe personal injury may result if proper precautions are not taken.

NOTICE

Indicates that property damage can result if proper precautions are not taken.

Qualified personnel

The product/system described in this documentation may be operated only by personnel qualified for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions.

Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems

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1 Technical Specifications

1.1 Hardware Parameters

The following table specifies the hardware information of Signal Board.

Table 1 Hardware parameters

Functional	Available channels count	1
	Output type	Linear DC: 0 to 10 V, 0 to 24 mA
	Min Load impedance (Voltage)	2 k Ω
	Max Load impedance (Current)	300 Ω
	Rated supply voltage	24 V
	Supply voltage range	15 to 40 V
	Resolution	12 bit
Ambient Conditions	Storage temperature	-15 to 75 °C
	Operating temperature	0 to 55 °C
	Relative humidity	Max 90 %, No Condensation

2 Wiring

The following block diagram shows you information about wiring of the Signal Board.

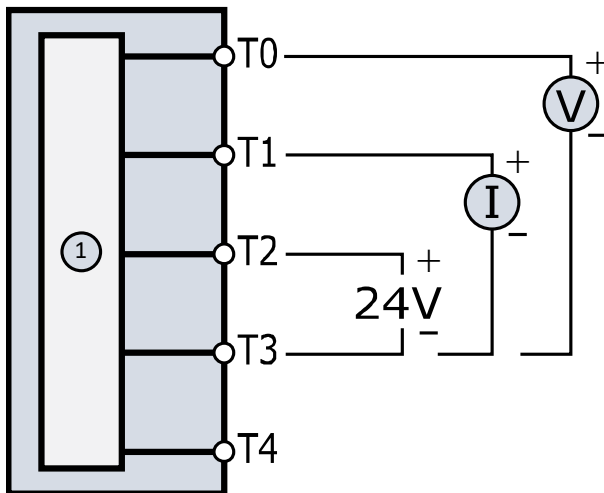


Figure 1 Wiring diagram and terminal assignments

- | | | | |
|--------------------|---|----------------------|--|
| <p>①</p> <p>I:</p> | <p>Analog Signal Board</p> <p>Current Mode Wiring</p> | <p>Tx:</p> <p>V:</p> | <p>Analog Signal Board Terminal</p> <p>Voltage Mode Wiring</p> |
|--------------------|---|----------------------|--|