FEATURES

- *4 Channels of Thermocouple Input (04TC)*
- *4 Channels of Thermal Resistance (RTD Input (04RD)*
- *24-bit Resolution*
- *Support J-type, K-type, E-type, S-type, T-type Thermocouples (04TC)*
- *Cold Junction Compensation, External Compensation Optional (04TC)*
- *Support PT100, Cu50, Pt1000 Resistance Forms (04RD)*
- *Support two-wire, three-wire, connection methods (04RD)*
- *Accuracy 0.1% F.S. (Full Scale) (04TC)*
- *Temperature ±0.6°C; Resistance ±10 (04RD)*

DESCRIPTION

The KNC-PLC-K631S Expansion Modules are offered with 4 Analog Inputs for temperature sensing. The optional expansion modules are attached to the KNC-PLC-K615S CPU to expand beyond the onboard inputs and outputs. The KNC-PLC-K615S CPUs can handle up to 272 I/O points with a maximum of 16 K6S expansion modules.

SPECIFICATIONS

Parameter	KNC-PLC-K631S-04TC
Channels(TC)	4
Type of Signal	J-type, K-type, E-type, S-type, T-type
Compensation Method	Thermocouple cold junction compensation (CJC) options include internal and external compensation.
Resolution (including sign bit)	24 bits
Accuracy	0.1% F.S.
Conversion Rate (per channel)	Approximately 1 time/second
Input Impedance	>20KΩ
Status Indication	The corresponding channel LED will turn red to indicate that the input value has exceeded the selected range.
AI Image Area	8 Bytes (2 Bytes/Channel)
AO Image Area	-

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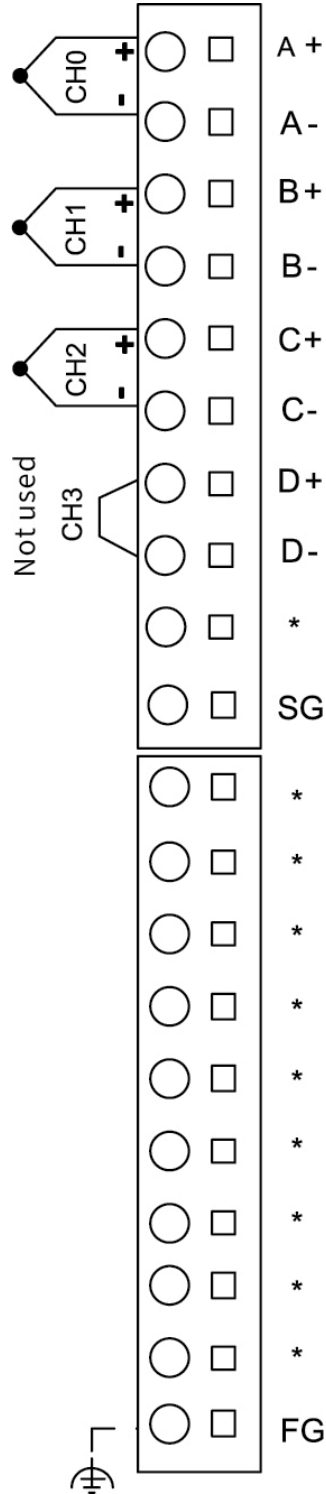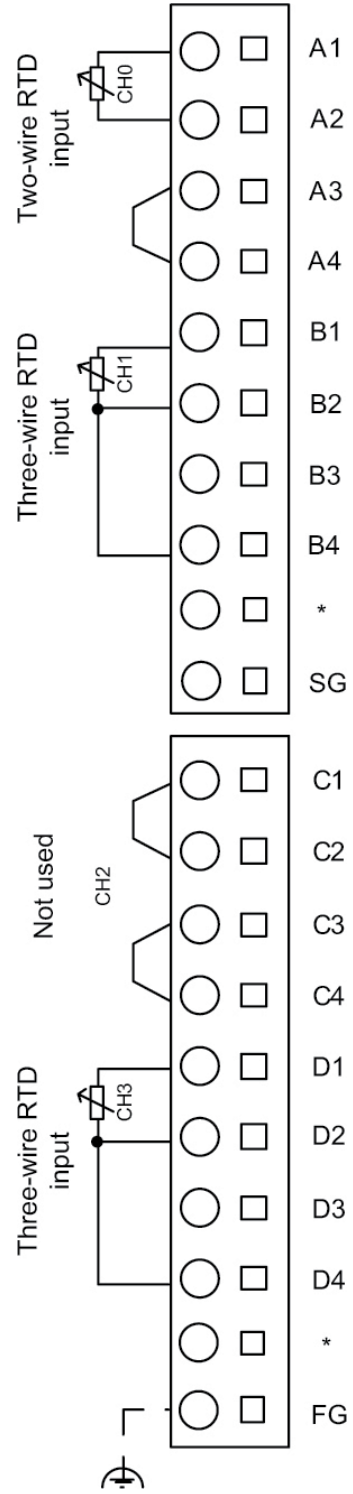| Parameter	KNC-PLC-K631S-04RD
Channels(RDT)	4
Rated Power Supply	DC 24V, ≥100mA
Type of Signal	Pt100, Cu50, Pt1000, Resistor
Wiring-type	Two-wire or Three-wire
Resolution (including sign bit)	24 bits
Accuracy	Temperature: ±
Conversion Rate (per channel)	Approximately 1 time/second
Status Indication	The corresponding channel LED will turn red to indicate that the input value has exceeded the selected range.
AI Image Area	8 Bytes (2 Bytes/Channel)
AO Image Area	-

(Example of Expansion Modules Connected Together)
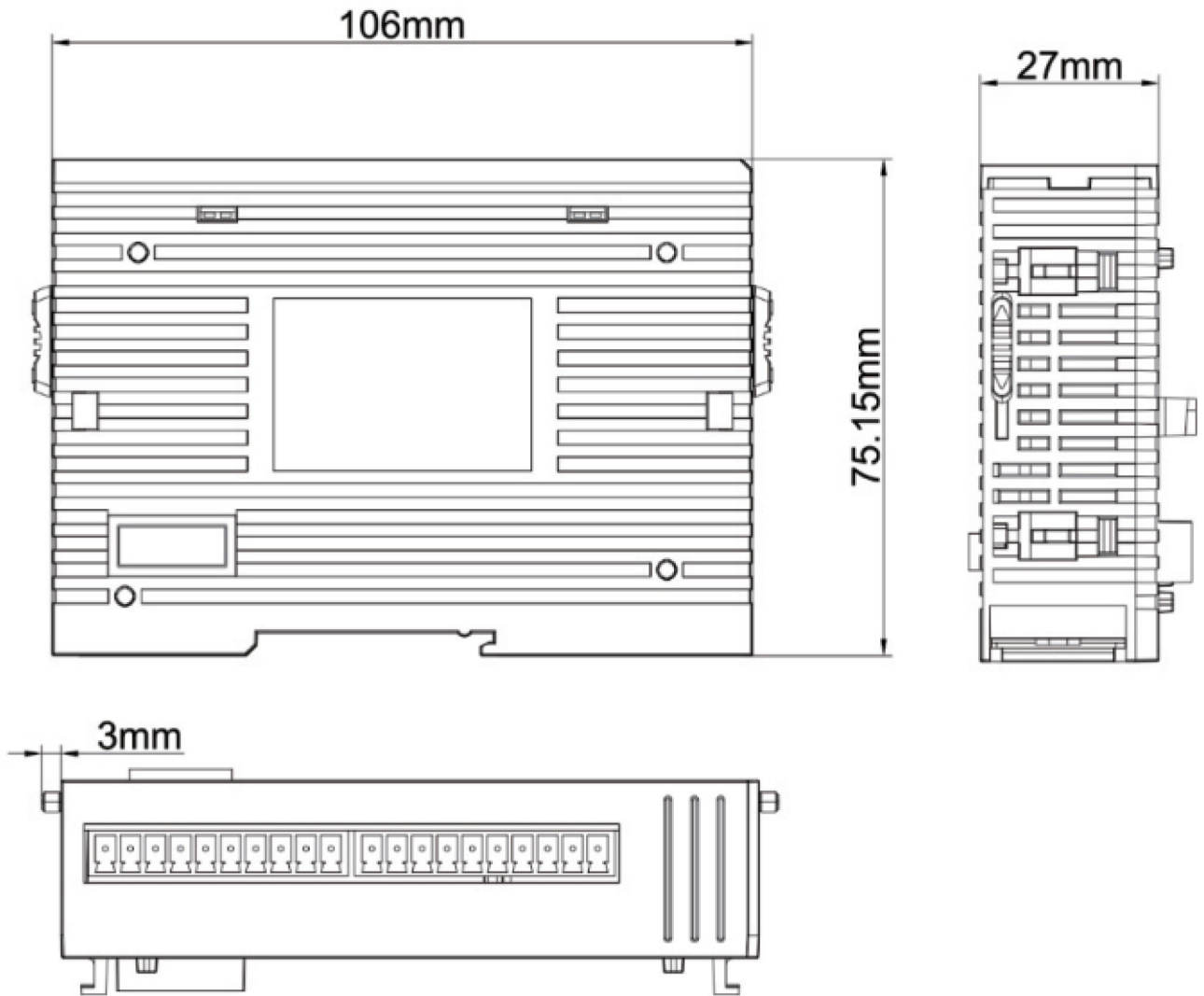

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WIRING DIAGRAM
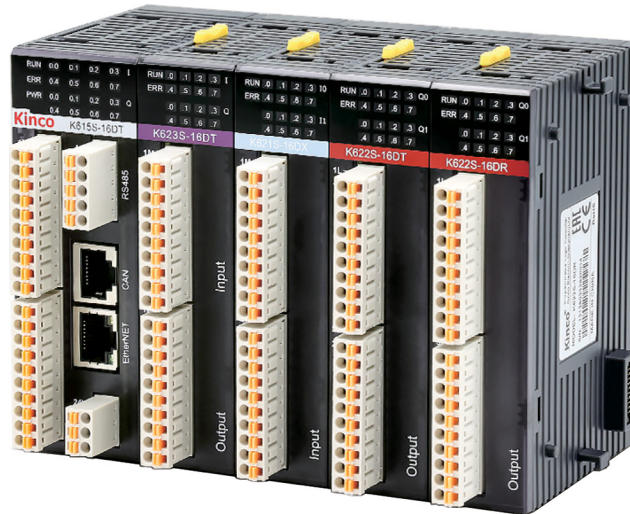
KNC-PLC-K631S-04TC

KNC-PLC-K631S-04RD

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DIMENSIONS

KNC-PLC-K631S

106mm

27mm

75.15mm

3mm

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