

MULTI INPUT INDICATOR

KDI-3000 SERIES

MODEL & SUFFIX CODE SELECTION



FEATURE

- Universal input mode (mV, V, T/C, RTD, 2wire, mA)
- It is realized high effectiveness and high accuracy use by 16bit A/D converter.
- It contains peak hold function so possible to use various application.
- Relay alarm output selectable(optional)and dead band function contains.
- Isolated current output(4~20mA optional)also possible with scaling function.
- Contain burnout function that give high output and display warning message when sensor line was disconnected by accident or other reasons.

GENERAL SPECIFICATIONS

Power Supply	DC 24V Type AC 24V Type AC Type	DC18V ~ 30V, (ripple 10%)100mA AC12V ~ 26V(50~60Hz), 4VA AC110/220V 60Hz $\pm 10\%$, 4VA
Display Accuracy	-9999~9999, 7Segment 4 Digit $\pm 0.2\%$ Full Scale, ± 1 Digit (25°C $\pm 5^\circ\text{C}$)	
Input Impedance	V Type mV, V, mA Pt100 Ω , T/C Type	400K Ω 1M Ω
Sampling cycle	V Type Pt100 Ω , T/C Type	200ms 400ms
CMRR(Common Mode Rejection Ratio) NMRR(Normal Mode Rejection Ratio) Sensor Power Temp Coefficient Insulation Resistance	140dB or more 50dB or more DC 24V / 30mA ($\pm 5\%$ or less) $\pm 0.015\%$ / $^\circ\text{C}$ Greater then 100M Ω with DC500V	
Dielectric Strength	Input - Power	AC2500V
	Output-Power	1 minute
	GND - Power	AC1000V
Operating Temperature / Humidity Storage Temperature / Humidity Dimensions Case Material Weight Mounting	-20~60°C / 90% (N.C) -20~80°C / 95% (N.C) W96xH48xD112(mm) ABS Reson(white) about 400g Panel mounting Type	

MULTI RANGE INPUT

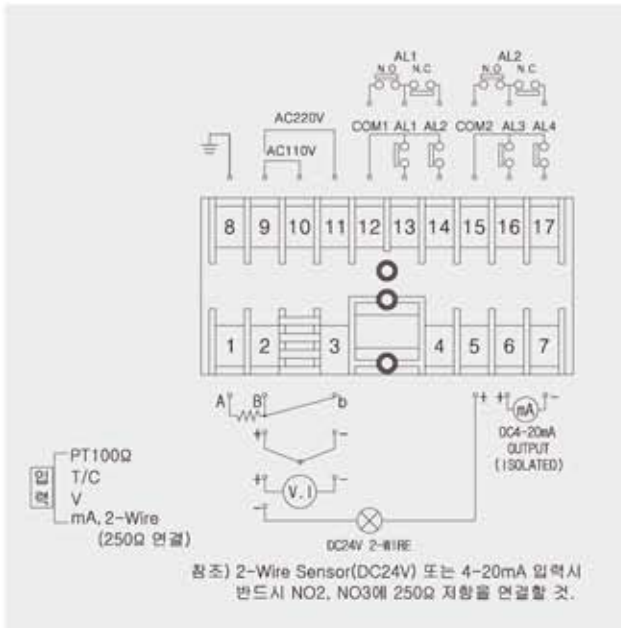
Free input selection by code

Input	Range of input and scale	MIN Span	Message
T/C	R (PR 13%)	0~1750°C	EE~r
	K (CA)	-200~1350°C	EE~E
	E (CRC)	-200.0~700.0°C	EE~E
	J (IC)	-200.0~800.0°C	EE~J
	T (CC)	-200.0~400.0°C	EE~E
RTD	RTD Pt100 Ω	-200.0~800.0°C	PE
	Pt100 Ω (JIS)	-200.0~500.0°C	JPt
mA	0~20.0mA(-9999~9999)		mA
mV	-50.0~50.0mV(-9999~9999)		mV
V	-10.00~10.00V(-9999~9999)		V
2wire	4~20mA(-9999~9999)		2w

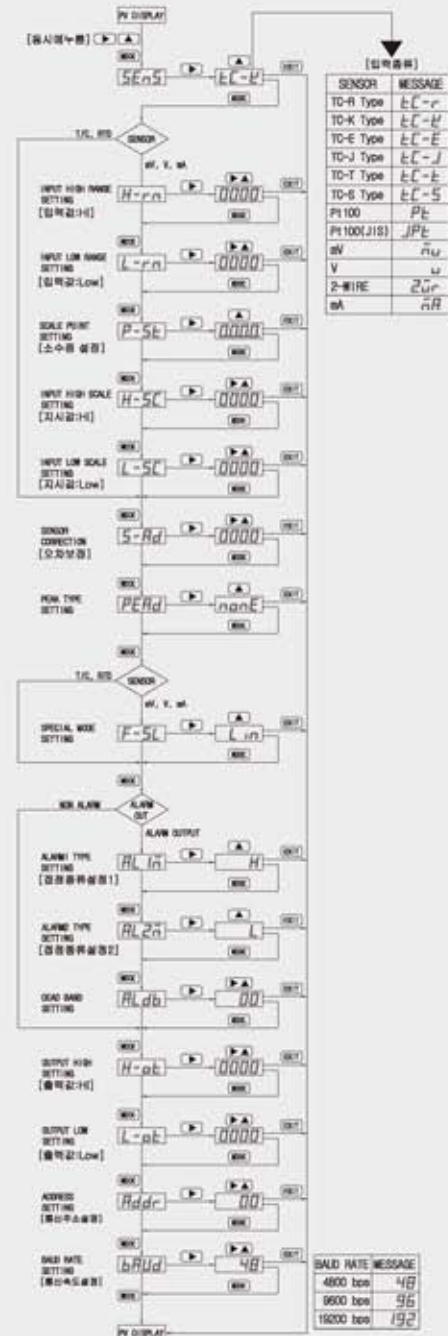
INDICATOR

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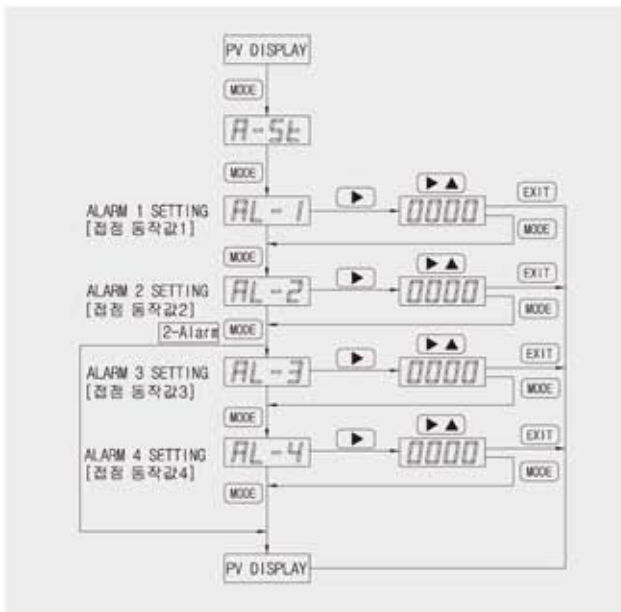
CONNECTION EXAMPLE



Program Setting



PROGRAM CHART



DIMENSIONS (unit : mm)

