# PROGRAMABLE CONVERTER SHN-650

- Universal input Mode(mA,mV,V,T/C,RTD)
- It is realized hi effectiveness and hi accuracy use by 16bit AD converter
- It is contains peak hold funtion so possible to use various application
- Contain burnout funtion that give high output and display warning message when sensor line was disconnected by accident or other reasons

## MODEL & SUFFIX CODE SELECTION

SHN — ☐ ☐

**MODEL**

| | |
|---|---|
| **OUTPUT** | 650 : 2ALAM / 4–20mA |
| **POWER** | 1 : AC95~250V / 50~60Hz<br>2 : DC24V |

## GENERAL SPECIFICATIONS

| | | | |
|---|---|---|---|
| Power Supply | DC 24V Type<br>AC 24V Type<br>AC Type | DC18V ~ 30V,(ripple 10%) 80mA<br>AC12V ~ 25V(50~60Hz), 3VA<br>AC95 ~ 250V / 50~60Hz | |
| Display<br>Accuary | –9999~9999, 7Segment 4Digit<br>±0.2% Full Scale, ±1 Digit(25℃ ±5℃) | | |
| Input Impedance | V Type<br>Pt100Ω Ω , T/C Type | 400kΩ<br>1MΩ | |
| Sampling cycle | V Type<br>Pt100Ω Ω , T/C Type | 200ms<br>400ms | |
| CMRR | 140dB or More | | |
| NMRR | 50dB or More | | |
| Sensor Power | DC24V / 30mA (±5% or less) | | |
| Temp Coefficient<br>Isolation Resistance | ±0.015% / ℃<br>Greater then 100MΩ with DC500V | | |
| Dielectric Sterngth | Input – Power<br>Output – Power<br>GND – Power | AC2000V<br>AC1000V | 1 mimute |
| Operating Temperature / Humidity<br>Storage Temperature / Humidity<br>Dimensions<br>Case Material<br>Weight<br>Mounting | –20~60℃ / 90% (N.C)<br>–20~80℃ / 95% (N.C)<br>W50*H85*D133 (mm)<br>ABS Resin ( black)<br>about 400g<br>Wall & DIN Rail mounting | | |

## MULTI RANGE INPUT

| Sensor | | Range of Input and Scale | MIN Span | Message |
|---|---|---|---|---|
| T/C | S | 0~1750℃ | 300.0℃ | tC-S |
| | R (PR13%) | 0~1750℃ | 300.0℃ | tC-r |
| | K (CA) | –200~1350℃ | 300.0℃ | tC-K |
| | E (CRC) | –200~700℃ | 200.0℃ | tC-E |
| | J (IC) | –200~800℃ | 200.0℃ | tC-J |
| | T(CC) | –200~400℃ | 50.0℃ | tC-t |
| RTD | Pt100Ω | –200~800℃ | 50.0℃ | Pt |
| | JPt100Ω | –200~500℃ | 50.0℃ | JPt |
| mA | | 0~20mA(–9999~9999) | | mA |
| mV | | –50~50mV(–9999~9999) | | mV |
| V | | –10~10V(–9999~9999) | | V |
| 2–Wire | | 4–20mA(–9999~9999) | | 2-Wr |

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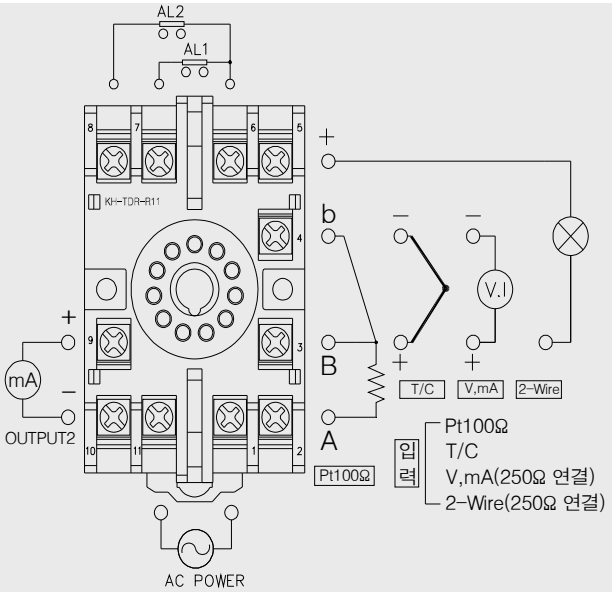
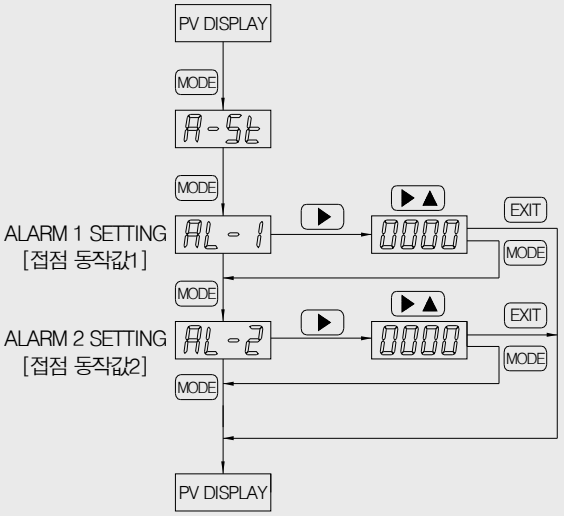
## CONNECTION EXAMPLE




참조) 2-Wire Sensor(DC24V) 또는 4-20mA 입력시
반드시 No3, No4에 250Ω 저항을 연결할 것.

## ALARM SETTING




## PROGRAM SETTING