Slim Display Signal Converter SCN – 8000 Series

CE

☐ Features

- ☐ Semi multiple input signals can be accepted.
- ☐ Excellent reliability is guaranteed by adopting high-performing and high-accurate 16 Bit A/D converter.
- ☐ Burnout function, indicating that temperature sensor broken, is built-in.
- ☐ 2 isolated outputs can be installed.
- ☐ Stable Free Voltage of AC 85~265V / 55~65 Hz.
- ☐ Slim Size of width 30, height 80, depth 128mm.

☐ Input Type

Type		Range	Display
Volt	Volt	0 ~ 10V DC	10 V
	Volt	1 ~ 5V DC	
	Volt	-10 ~ 10V	
mA	mA	4 ~ 20 mA	MA
RTD	Pt100Ω	-199.9 ~ 700.0	D-PT

☐ Order Information

SCN - 8☐00 - ☐ ☐ ☐

☐ Input Signals

8100	4~20mA DC (common for 2-wire) 0~20mA DC
8200	0~10V DC, -10V~10V DC, 0~5V DC, 1~5V DC
8300	Pt 100Ω

☐ Output-1 Signals

1	DC 0 ~ 5V
2	DC 0 ~ 10V
3	DC 1 ~ 5V
4	DC 0 ~ 20mA
5	DC 4 ~ 20mA
R	Other

☐ Output-2 Signals

1	DC 0 ~ 5V
2	DC 0 ~ 10V
3	DC 1 ~ 5V
4	DC 0 ~ 20mA
5	DC 4 ~ 20mA
R	Other
N	Not used

☐ Power Supply

X	AC 85~264V / 50~60Hz

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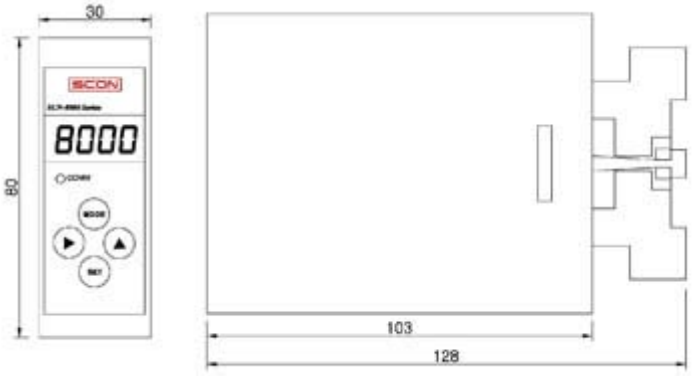
☐ Specifications

Item	Specification
Input Resistance	Volt Type : 400㏀, mA Type : 250Ω
	Others : 1㏁
Source Resistance	Pt100Ω : 30Ω/Line, Others : 300Ω/Line
Sensor Power	DC 24V/30㎃, ± 0.5%
Response Time	200ms (Volt, mA) , 400ms (T/C, RTD)
Allowable Tolerance	0.2% of Span at 23℃
Linearity	0.1% of Span
Load Resistance	4~20mA DC(0 ~ 600Ω)
	0~10V DC(1㏀ or more)
Isolation Resistance	More than 100㏁ (DC 500V) Between Input and Output
Withstand Voltage	AC 1500V/min between Input, Output and Power
Power Supply	AC 85~264V ±10% (50/60Hz) Max. 4VA
	DC 24V ±10%, Max. 100mA
Ambient Temperature	-10 ~ 60℃
Ambient Humidity	10 ~ 90%
Weight	Appr. 300g
Material/Color	Non-Flammable ABS / Black
Dimensions	W30 x H80 x D128 (mm)
Mounting Type	Wall or DIN Rail

☐ Dimensions



☐ Functions

☐ Display Scaling (RTD, Volt, mA Type)

To set up display (PV) value according to the scale and input range.

☐ Sensor Compensation

To add up or subtract a compensation value into the measured values when zero point is shifted due to a long time use of sensor or an undesirable tolerance occurs due to a long line from sensors.

☐ Functioning (mV, Volt, mA Type)

LIN Input value passes through the circuit without any modification. This is a general way of input value processing. This can be used when Input value linearity is required. (In case that range is ' - ')

LIMIT To display Zero(0) even in case input signal is below Zero(0). This can be used when display of value below Zero(0) is not required such as in measurement of level.

☐ FILT Filtering

4, 8, 16, 32 and 64
The bigger the number is, the more input value is filtered and the response time becomes slower
- mA and V : 4
- Pt 100Ω : 8

☐ Terminal Connection