NEWINS

슬림형 가변저항 변환기

NE 7300 Series

Slim Type Potention Meter Converter

FEATURES

- Potention meter input
- High accuracy 16bit A/D converter
- Peak hold function (Highest & Lowest)
- 2 points alarm & Dead band set
- Isolation current output (DC 4.00~20.00mA) & Output scaling

SPECIFICATIONS

- **Input(Potention meter)** : 100Ω~10kΩ, 1.25V
- **Measuring and display cycle** : 100ms
- **Input resistance** : 1MΩ
- **CMRR(Common Mode Rejection Ratio)** : 140dB or more
- **NMRR(Normal Mode Rejection Ratio)** : 60dB or more
- **Moving average filter**
- **Accuracy** : ±0.2% FS
- **Isolation current output(Option)**
  - Current : DC 4.00~20.00mA
  - Maximum load resistance : 600Ω
  - Isolation resistance(Input-Output, Two-Output) : 100MΩ or more(DC 500V)
- **Ambient temperature & Humidity**
  - Operation : -10~50℃, 10~90%
  - Storage : -20~70℃, 5~95%
- **Alarm(Option)**
  - Contact output type : Normal open
  - Max switching power : 60W 125VA
  - Max switching voltage : DC 220V, AC 250V
  - Max switching current : DC 2A, AC
  - Max Carrying current : DC 3A, AC
- **Power supply**
  - Voltage : AC 110/220V(50~60Hz) DC 24V(Option)
  - Power consumption : Max 4VA
  - Isolation resistance : 100MΩ , DC 500V (FG-Input, FG-Power, Power-Input, Input-Output)
- **Etc**
  - Weight : 200g
  - Mounting : Din rail & wall mounted
  - Dimension : 30.5(W) X 80(H) X 102(D)mm

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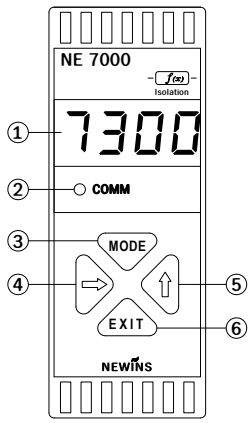
PARTS NAME



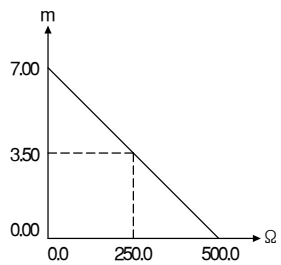
① Measured value display
② Communication lamp
③ MODE Key :
Storage the set data and change the operation menu
④ ⇨ Key :
Enter into the data setting mode and modify the changed location
⑤ ⇧ Key :
Change the data value
⑥ EXIT Key :
Out of mode

MAJOR FUNCTIONS

▹ Display scaling function(mV, Volt, mA only)

This Function changes and sets the display value according to scale and input range.

Ex) In case of input range 0.0~500.0Ω and Level 0.00~7.00m

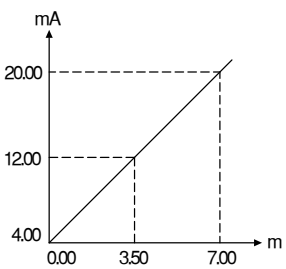


Setting to
Sensor Type : 1kΩ
High Range : 500.0Ω
Low Range : 0.0Ω
High Scale : 7.00m
Low Scale : 0.00m

▹ Output scaling function

This function can change the 4.00~20.00mA value as the output scale.

Ex) In case of display value 0.00~7.00m, Output 4.00~20.00mA



Setting to
High Out Scale : 7.00m
Low Out Scale : 0.00m

▹ Alarm function

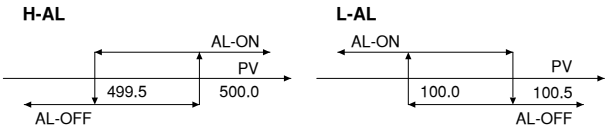
Alarm type : High, Low

The alarm consists of 2 relays, and it can output relay contact output individually

Ex) AL-1 : High alarm value 500.0,
AL-2 : Low alarm value 100.0,
Alarm dead band setting 0.5

The high alarm(AL-1) is ON when the present value(PV) is 500.0 or more, and OFF when 499.5 or less.

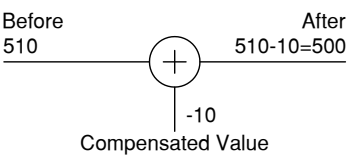
The low alarm(AL-2) is OFF when the present value(PV) is 100.5 or more, and ON when 100.0 or less.



▹ Sensor compensation function

The function is useful for compensating error by long sensor line or changed zero point by aged sensor.

Ex) Before sensor adjust = 510℃
After sensor adjust
= measured value + compensated value
= 510 - 10 = 500℃



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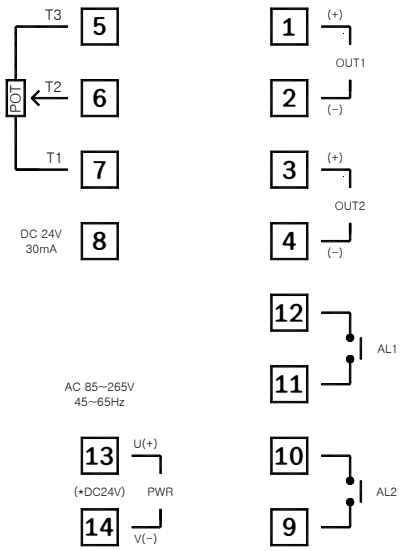
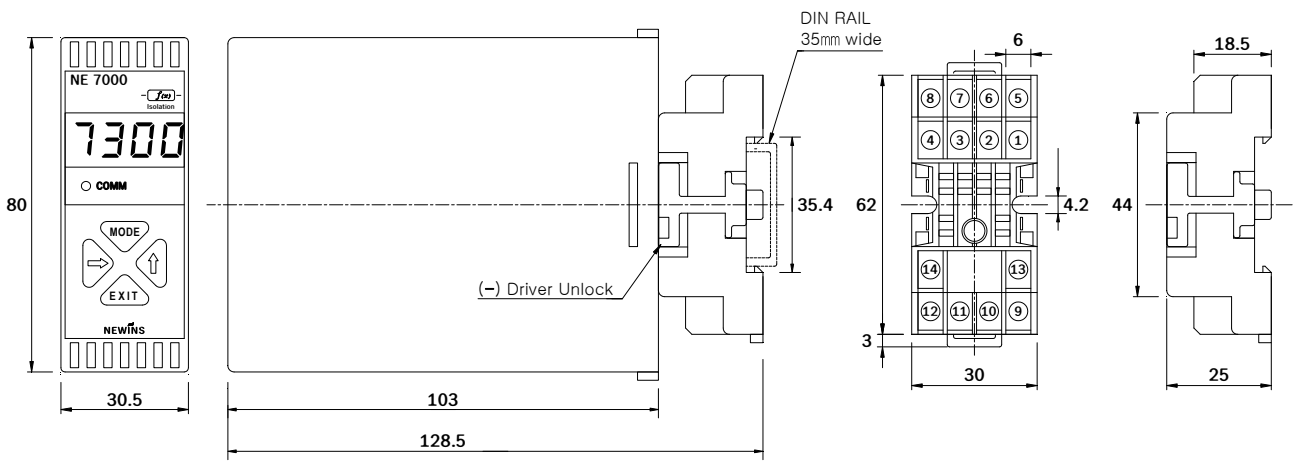
ORDERING CODE

NE 73		-		Description
Analog output	00			DC 4.00~20.00mA
	01			DC 4.00~20.00mA (2 Out)
	02			1~5 Volt
	03			1~5 Volt(2 Out)
	04			0~10 Volt
	05			0~10 Volt (2 Out)
	06			4.00~20.00mA + 1 Alarm
	07			4.00~20.00mA + 2 Alarm
	08			1~5 Volt + 1 Alarm
	09			1~5 Volt + 2 Alarm
	12			Etc
Power			0	AC 85~265V(45~65Hz)
			1	DC 12~32V
			2	Etc

TERMINAL DIAGRAM



DIMENSION & PANEL CUT



* When mounting, no extra space is needed between units