

FEATURES

IC 5600

- ⊙ 6channel Multi individually setting signal input
- ⊙ Multi-range input (T/C, RTD, Volt, mA, PtCo)
- ⊙ Display & Output scaling (mV, V, mA)
- ⊙ RS-485 Communication interface
- ⊙ 1 points alarm & Dead band set
- ⊙ Isolation current output (DC 4.00~20.00mA) & Output scaling (Choice - Ch, Hi, Low, Av)
- ⊙ Sensor compensation function

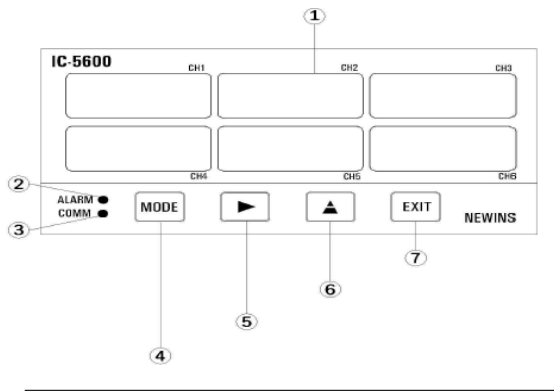


SPECIFICATIONS

- ▷ **Measuring and display cycle** : Min. 500ms  
display cycle : Max. 6sec
- ▷ **Input resistance** : Volt-400k $\Omega$   
mA - 250 $\Omega$
- ▷ **Signal source resistance** : Pt 100 $\Omega$  type-30 $\Omega$ /line  
Others type-300 $\Omega$ /line
- ▷ **CMRR(Common Mode Rejection Ratio)** : 140dB or more
- ▷ **NMRR(Normal Mode Rejection Ratio)** : 50dB or more
- ▷ **Moving average filter** : Av4~32
- ▷ **Accuracy** :  $\pm 0.2\%$  FS
- ▷ **Alarm(Optional)**  
Contact output type : Normal open  
Nominal switching capacity : DC 30V 5A, AC 250V 5A  
Max switching power : 90W 750VA  
Max switching voltage : DC 110V, AC  
Max switching current : 250V : 5A

- ▷ **Ambient temperature & Humidity**  
Operation : -10~50 $^{\circ}$ C, 10~90%  
Storage : -20~70 $^{\circ}$ C, 5~95%
- ▷ **Power supply**  
Voltage : AC 85~265V(45/65Hz)  
DC 24V(Optional)  
Power consumption : Max 4VA  
Isolation resistance : 100M $\Omega$  500VD  
Power-Input, Input-Output
- ▷ **Communication Interface**  
Type : RS-485(Modbus)  
Speed : 4800, 9600, 19200, 38400,  
57600bps  
ID(address) setting : 1~99
- ▷ **Etc**  
Weight : 250g  
Mounting : Panel mount  
Dimension : 99(W) X 51(H) X 112(D)mm

PARTS NAME



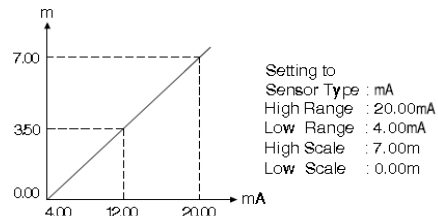
- ① Measured value display
- ② Alarm status
- ③ Communication status
- ④ **MODE** Key : Storage the set data and change the operation menu
- ⑤ **↔** Key : Enter into the data setting mode and modify the changed location
- ⑥ **↑** Key : Change the data value
- ⑦ **EXIT** Key : Out of mode

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 4.00~20.00mA and Level 0.00~7.00m



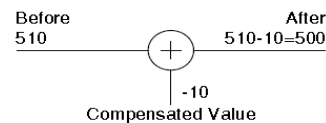
▷ Sensor compensation function

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

Ex) Before sensor adjust = 510°C

After sensor adjust

= measured value + compensated value  
 = 510 - 10 = 500°C



INPUT TYPE

Sensor Type	Range	Scale	Symbol	
TC	B(PR)	0~1800°C	-	ℓℓ-b
	R(PR)	0~1750°C	-	ℓℓ-r
	S(PR)	0~1750°C	-	ℓℓ-S
	K(CA)	-200~1350°C	-	ℓℓ-ℓ
	E(CRC)	-199.9~700.0°C	-	ℓℓ-E
	J(IC)	-199.9~800.0°C	-	ℓℓ-J
	T(CC)	-199.9~400.0°C	-	ℓℓ-t
Volt	mV	-50.0~50.0mV	-1999~9999	ℓℓ
	Volt	-1.000~1.000V	-1999~9999	ℓℓ
	Volt	-10.0~10.0V	-1999~9999	ℓℓℓ
mA	mA	4.00~20.00mA	-1999~9999	ℓℓℓ
PT	Pt100Ω	-199.9~800.0°C	-	ℓℓ-Pℓ
	JPt100Ω	-199.9~500.0°C	-	J-Pℓ
	PtCo100	0.0~300.0K	-	Pℓℓℓ

**6 CH 디지털 지시 경보계**

**6CH INPUT DIGITAL INDICATORS WITH ALARM**

▷ **Alarm function**

You can set alarms for one or all channels.

(example)

Alarm settings value: 500.0

Alarm Channel: CH-1

Alarm Type: High

Alarm Dead band: 0.5

The upper limit alarm is ON when the measured value

(PV) of CH-1 is 500.0 or higher

If it is less than 499.5, it is turned off.

(example)

Alarm settings value: 100.0

Alarm Channel: ALL

Alarm Type: Low

Alarm Dead band: 0.5

The lower limit alarm is ON when the measured value

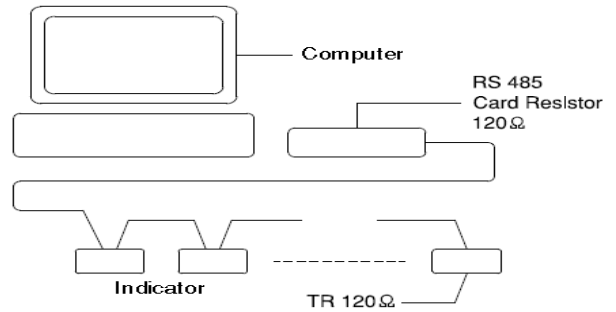
(PV) of all channels (excluding SKIP channels) is below

100.0

If it is over 100.5, it is turned off.

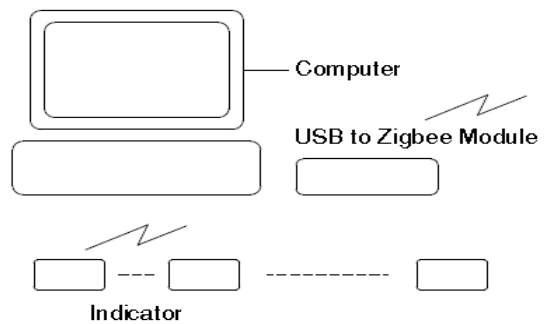
▷ **Communication interface (RS485 Modbus)**

It is possible to communicate with computer and to monitor remote by using RS-485 communication interface.



▷ **RF Wireless Communication Module (Option)**

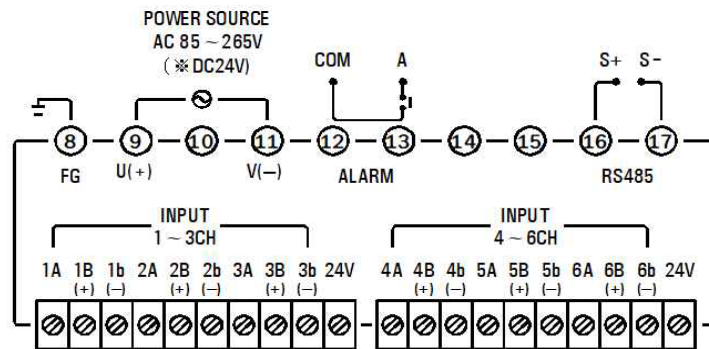
- IEEE 802.15.4
- USB to Wifi Module
- SPEED : 38400 bps
- ID : 01~99
- Length : 0~30M



**ORDERING CODE**

IC 560		Description
Power	0	AC 85~265V (45~65Hz)
	1	DC 24V

TERMINAL DIAGRAM



\* Power DC24V is Optional.

DIMENSION & PANEL CUT

