

KN701 DIGITAL TEMPERATURE CONTROLLER

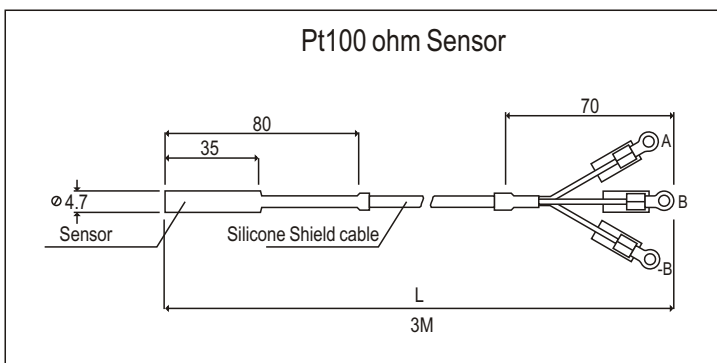
- FREE VOLTAGE
(AC90~260V 50~60Hz, DC 100~300V USED)
- SIZE 164(W)X81.5(H)X117(D)mm
- 1 SENSOR INPUT(Pt100Ω)
- PROGRAM TYPE FUNCTION
(T.MAX VALUE, SETTING VALUE)
- TEMP, MAX FUNCTION
- DATA STORAGE FUNCTION
(Displayed as Fault)
- FAN AUTO MANUAL FUNCTION
- RTD(PT100Ω) 1EA



SPECIFICATION

- | | |
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| <ul style="list-style-type: none"> ◆ DIMENSION
164(W)X81.5(H)X117(D)mm ◆ ACCURACY
+/- 0.5°C (Full Scale) ◆ INPUT
1 INPUT Pt100Ω-3Wires (DIN IEC 751) ◆ TEMPERATURE MEASURING RANGE
-50~250°C ◆ INPUT MEASURING CYCLE
100m SEC ◆ AMBIENT TEMPERATURE
OPERATION -5to55°C ◆ AMBIENT HUMIDITY
OPERATION 10 to 90% RH ◆ TEMPERATURE INDICATION
1°C ◆ OUTPUT CONTACTS CAPACITY
TRIP,ALARM AC 250V 5A (Resistance Load)
FAN AC 250V 10A (Resistance Load)
CONTACT DC 30V 5A (Resistance Load) ◆ ANALOG OUTPUT
DC 4~20mA (Load Resistance Max 600Ω)
(INPUT/OUTPUT ISOLATION) | <ul style="list-style-type: none"> ◆ DATA STORAGE
10YEARS ◆ SERIAL COMMUNICATION (OPTION)
RS-485 or RS-232 MODBUS RTU ◆ POWER SUPPLY
AC90 to 260V 60Hz, DC100~300V ◆ DIELECTRIC STRENGTH
AC2000V for 1min ◆ POWER CONSUMPTION
7VA ◆ INSULATION RESISTANCE
500V DC 20M ohm Minimum ◆ WEIGHT
750g |
|--|--|

RTD(PT100Ω) SENSER

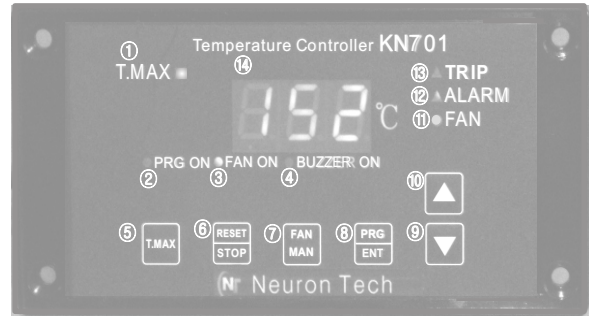


- ◆ RTD 3-wire 1EA
- ◆ Pt100Ω(DIN,IEC751)
- ◆ SILICONE SHIELD CABLE 3M
(OTHER TYPE:4M...7M,AND ETC)



NAME OF EACH PART

- ① Temp. MAX MODE DISPLAY LAMP
운전중 최대온도값을 저장하여 DIASPLAY 기능.
- ② PROGRAM MODE DISPLAY LAMP
- ③ FAN MANUAL OUT DISPLAY LAMP
- ④ BUZZER ON DISPLAY LAMP
- ⑤ Temp. MAX KEY
T. MAX 값을 DISPLAY 합니다.
15초간 KEY 동작이 없으면 측정모드로 자동 전환 합니다.
- ⑥ RESET/STOP KEY
RESET: T, MAX DISPLAY MODE에서 3초간 누르면
기존 저장중인 DATA를 삭제합니다.
STOP: BUZZER ON 시 BUZZER 동작 정지 기능.
- ⑦ FAN MANUAL KEY
FAN 동작을 수동으로 ON/OFF동작시키는 스위치.
- ⑧ PROGRAM MODE/SETTING KEY
PROGRAM KEY를 3초간 누르면 PROGRAM MODE로
전환되며 설정값을 확인하거나 변경하여 저장하는 스위치.
- ⑨ DOWN KEY
PROGAM SETTLLNG 값을 낮은 숫자로 이동함.
- ⑩ UP KEY
PROGAM SETTLLNG 값을 낮은 숫자로 이동함.
- ⑪ FAN AUTO OUT DISPLAY LAMP
- ⑫ ALARM OUT DISPLAY LAMP
- ⑬ TRIP OUT DISPLAY LAMP
- ⑭ MEASUREMENT TEMPERATURE & SETTING DISPLAY



OUTPUT OPERATING DIAGRAM

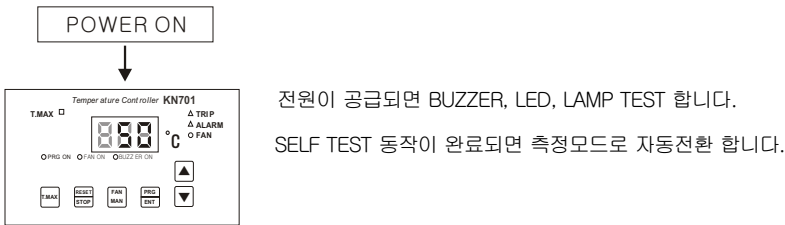
OUTPUT	SPECIFICATIONS(Δ: setting temp)
ALARM, TRIP	
FAN OUT	
FAULT	

- ◆ALARM, TRIP 동작은 6초후에 동작 됩니다.
- ◆ALARM, TRIP 동작시 BUZZER ON 동작 됩니다.
- ◆BUZZER ON 동작은 STOP키로 동작OFF 하여도 RELAY 출력은 설정 값 이상이면 계속 동작합니다.
- ◆FAULT 출력은 BUZZER OUT입니다.

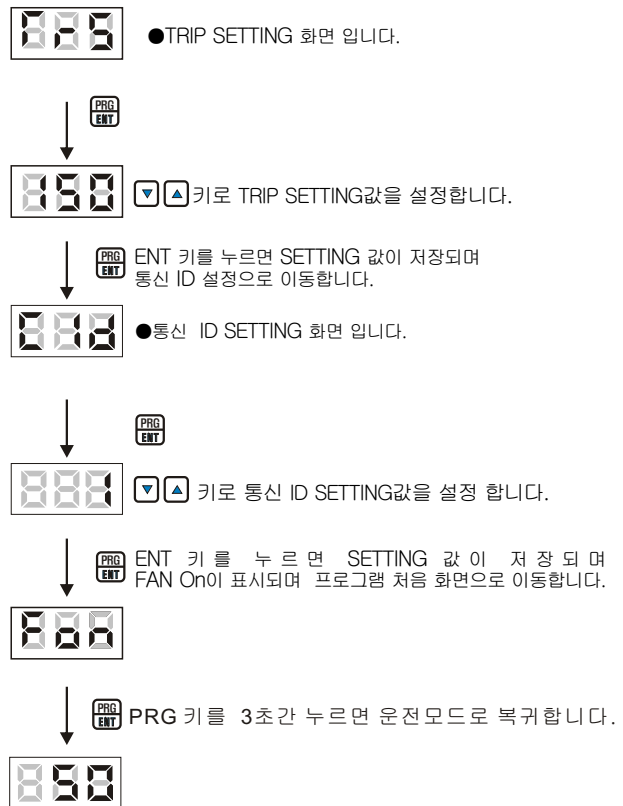
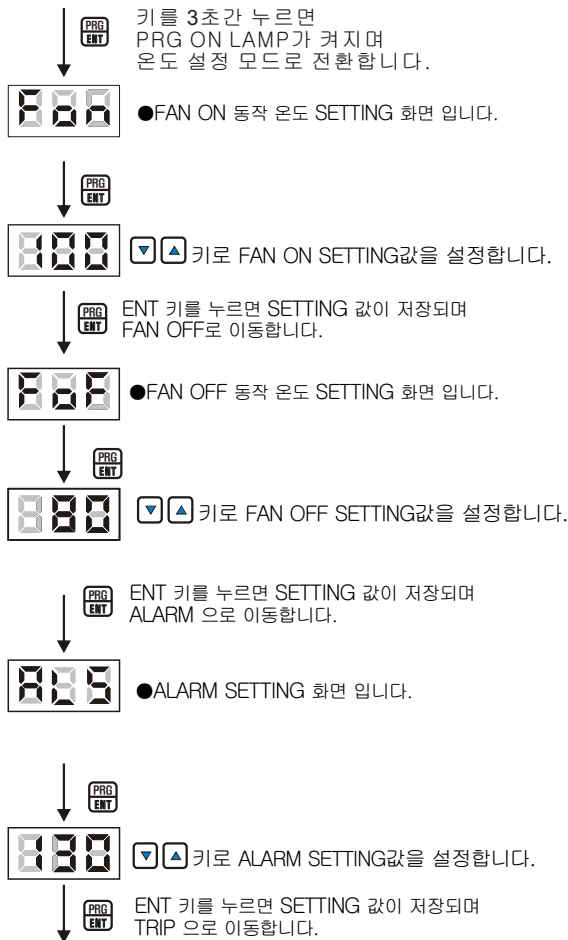
OPERATION

- ◆ 프로그램 모드로 전환하여도 제품은 정상운전 중 입니다.
- ◆ 프로그램 모드 어디서든 PRG/ENT 키를 3초간 누르면 운전 모드로 전환 합니다.
- ◆ 프로그램 모드에서 약25초간 키 동작이 없으면 운전모드로 자동 복귀 합니다.
- ◆ 출고시 설정 온도 값.

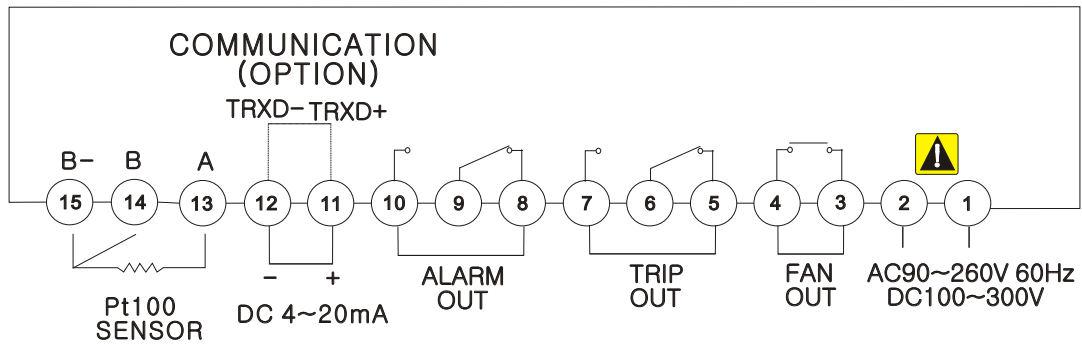
제품 출고시 온도설정 값			
FAN ON	FAN OFF	ALARM	TRIP
100℃	80℃	130℃	150℃



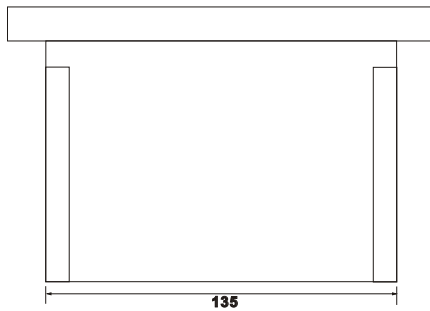
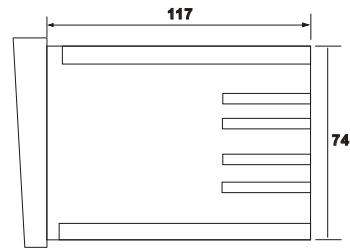
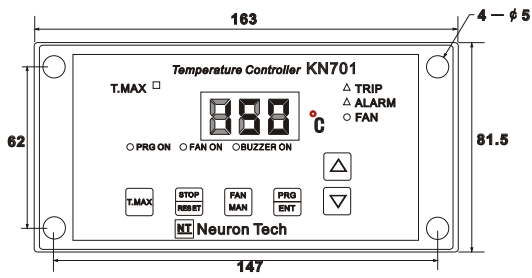
● OPERATION SELF TEST(DISPLAY & LAMP)



TERMINAL CONNECTION



EXTERNAL DIMENSION



PANEL CUTTING SIZE

