SetPro

# NT Series

## Microprocess panel PID controller meter

### Featrue :

- T/C, RTD, Linear Input selectable.
- Fuzzy enhanced PID Control.
- 2 Alarm output.
- Auto/Manual Transfer.
- Universal Power supply : 90-264 VAC, 50/60Hz, DC/AC 24V is also available for option.
- Output 2 for cooling control.(Option)
- 4-20mA remote set point input.
- Standby and Latch mode can combined with 6 different alarm function.
- Retransmission or RS-485 communication (MODBUS RTU) is available for option.

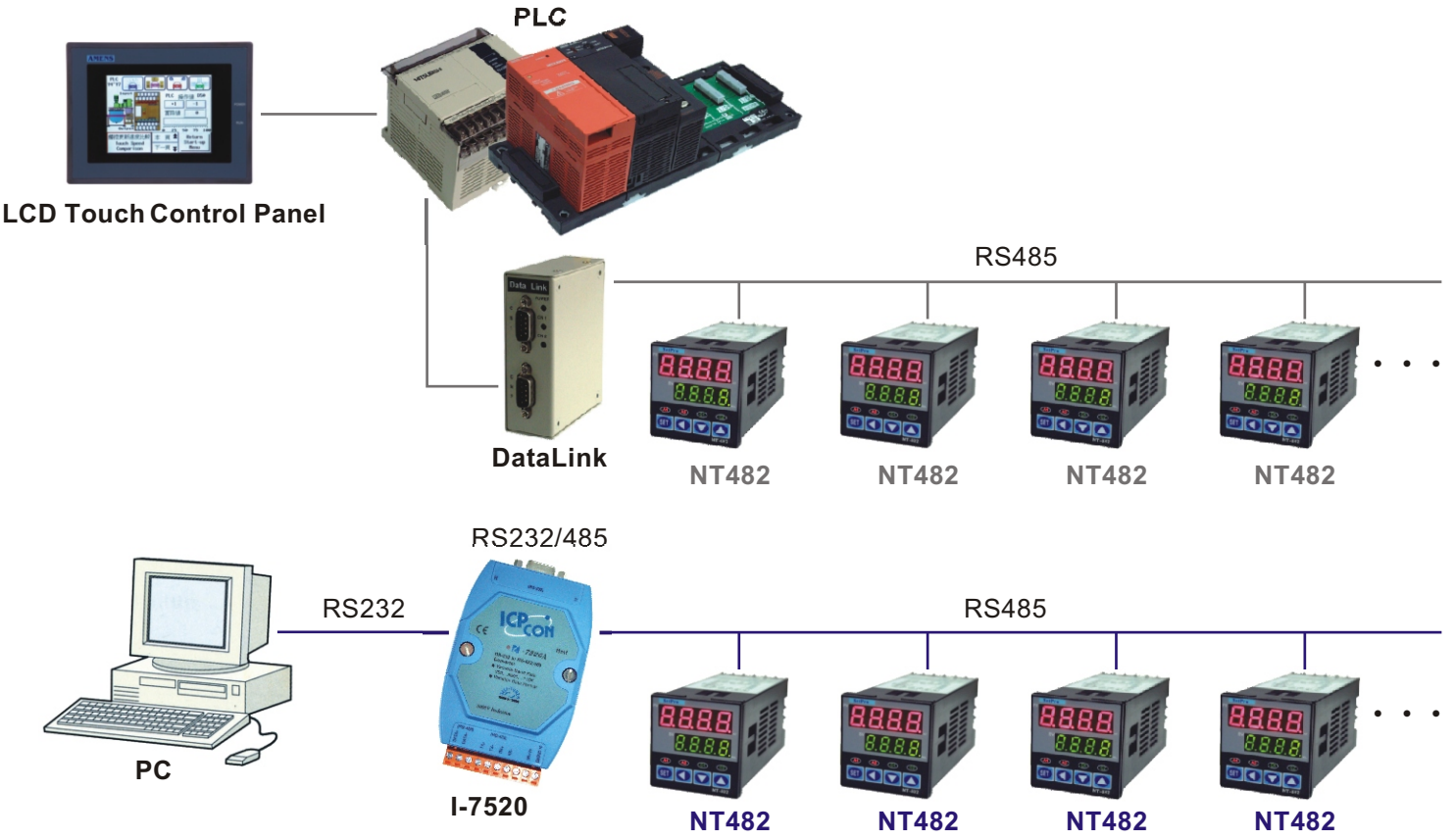

Type : NT □-□□□-□

| NO. | Size | NO. | Display (Input signal) | NO. | Display (Input signal) | NO. | Output 1 | NO. | Output 2 | NO. | Option |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 482 | 48mm x 48mm | J | 0~1200°C(J-Type) | A | -1999~9999(4~20mA) | R | Relay | | None | | None |
| 492 | 48mm x 96mm | K | 0~1300°C(K-Type) | V | -1999~9999(0~10V) | S | SSR | R | Relay | C | RS485 |
| 722 | 72mm x 72mm | B | 0~1800°C(B-Type) | 1 | -1999~9999(0~5V) | A | DC 4-20mA | S | SSR | A | DC 4-20mA |
| 962 | 96mm x 96mm | T | -199~400°C(T-Type) | 2 | -1999~9999(0~1V) | V | DC 0-10V | A | DC 4-20mA | M | Master |
| | | P | -199~850°C(PT-Type) | 3 | -1999~9999(0~50mV) | | | V | DC 0-10V | S | Slave |

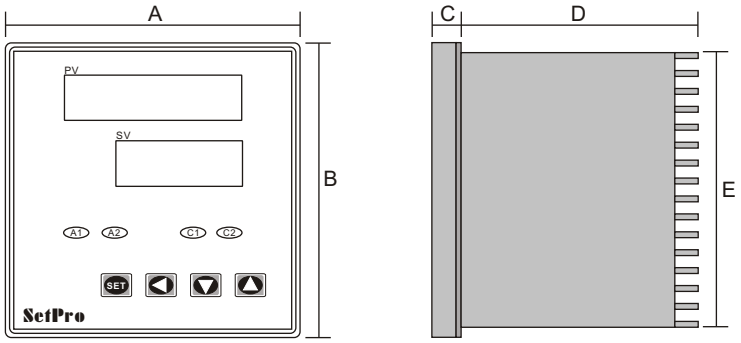
## Specification

| | | | | |
|---|---|---|---|---|
| **Input** | Thermocouple : J.K.T.E.B.R.S.N.C | **Output** | Relay Contact Output : 10A/240VAC (Resistive load) | |
| | RTD : DIN PT-100; JIS PT-100 | | Pulsed Voltage Output to Drive SSR : DC 0/24V (Resistive 250Ω min.) | |
| | Linear : 4~20mA; 0~50mV; 1~5V; 0~10V... | | Current Output : 4~20mA (Resistive 600Ω max.) | |
| **Accuracy** | T/C ±1°C; RTD±0.2°C; Linear±3mV | | Continuous Voltage Output : 0~50mV; 1~5V; 0~10V...(Resistive 600Ω min.) | |
| **Sampling Time** | 0.5 sec | | | |
| **Control** | Proportional Band : 0.0~300.0% F.S. | **General** | Rated Voltage : AC90~264V 50/60Hz; DC24V | |
| | Integral Time : 0~3600 sec. | | Ambient Temperature : 0~50°C | |
| | Derivative Time : 0~900 sec. | | Ambient Humidity : 0~90% RH | |
| | Hysteresis : 0.0~200.0 or 0~2000 | | Consumption : Less than 5VA | |
| | Cycle Time : 0~100 sec. | | | |
| **Output Cycle Time** | Relay : 15 sec. | **Alarm mode** | Process High Alarm | Process Low Alarm |
| | Pulsed Voltage to Drive SSR : 1 sec. | | Deviation High Alarm | Deviation Low Alarm |
| | Continuous Current (Voltage) : 0 sec. | | Band High Alarm | Band Low Alarm |

# System Configuration



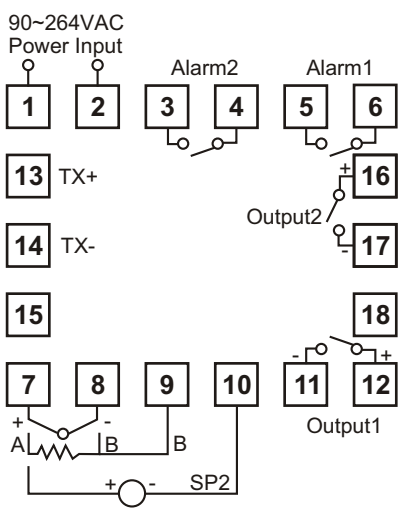

## Dimensions : (Unit : mm)



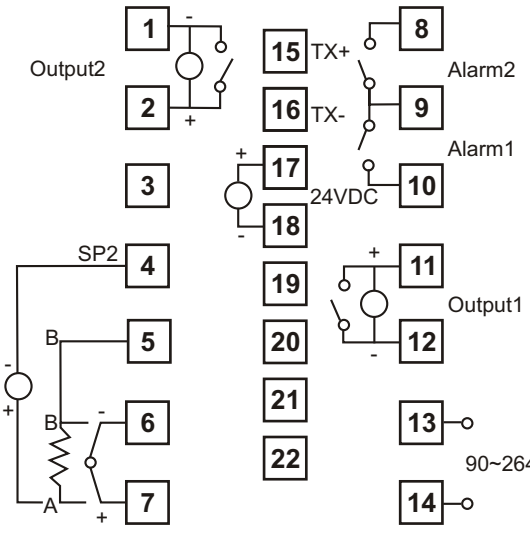

| Type | A | B | C | D | E |
|---|---|---|---|---|---|
| NT482 | 48 | 48 | 6 | 100 | 45 |
| NT492 | 48 | 96 | 9 | 80 | 91 |
| NT722 | 72 | 72 | 9 | 80 | 67 |
| NT962 | 96 | 96 | 10 | 80 | 91 |

## Wiring Diagram :

### NT482




### NT722




### NT492 / NT962