

- Accuracy: $\pm 0.1\%$ F.S. ± 1 digit (DC / Potentiometer / Resistor / PT-100 / Load Cell)
 $\pm 0.2\%$ F.S. ± 1 digit (AC)
- Measuring AC, DC Voltage / AC, DC Current / Potentiometer / Resistor / PT-100 / Load Cell
- High brightness 0.8" LED display range: -19999~19999; decimal point selectable
- Display range programmable
- Max. Hold / Data Hold / Reset / 2~4 Alarms (Hi or Lo) programmable / Analog output (15 bit resolution) / RS-485 communication optional (The above options can exist together)
- High stability, non-flammable case (PC), high safety
- CE approval

SPECIFICATION

- | | | | |
|-----------------------------|--|----------------------------|---|
| ◆ Accuracy: | $\pm 0.1\%$ F.S. ± 1 digit (DC / Potentiometer / Resistor / PT-100 / Load Cell)
$\pm 0.2\%$ F.S. ± 1 digit (AC) | ◆ Output Capability: | Voltage Output: <20mA
Current Output: <10V |
| ◆ Display Screen: | High brightness red LED; 20.3mm(0.8") | ◆ Communication: | RS-485 Modbus RTU mode |
| ◆ Sampling Cycle: | 16 cycles / sec (AVG=1) | ◆ Baud Rate: | 38400 / 19200 / 9600 / 4800 bps |
| ◆ Display Range: | -19999~19999 | ◆ Parity Check: | n.8.2. / n.8.1. / odd / even |
| ◆ Zero Adjustment: | -19999~19999 | ◆ Temperature Coefficient: | 100ppm / °C (0~60°C) |
| ◆ Over Range Indication: | doFL / ioFL or -doFL / -ioFL | ◆ Operating Temperature: | 0~60°C |
| ◆ Polarity Indication: | Automatic with "-" indication | ◆ Operating Humidity: | 20~90% RH (non-condensing) |
| ◆ Parameters Setting: | Push buttons | ◆ Storage Temperature: | -10~70°C |
| ◆ Back Up Memory: | EEPROM | ◆ Storage Humidity: | 20~90% RH (non-condensing) |
| ◆ Alarm Action: | " \geq (Hi) on" or "< (Lo) on" | ◆ Power Supply: | AC/DC 100~240V; DC 22~60V |
| ◆ Alarm Hysteresis Range: | 0~9999 | ◆ Power Consumption: | 8.5VA (all functions output) |
| ◆ Alarm Run Delay Time: | 0~99 sec | ◆ Surge Test: | 2KVac / 1min (Input / Power) |
| ◆ Relay Contact: | AC 277V / 7A; DC 30V / 7A | ◆ Input Impedence: | Voltage: >2V for 20K Ω / V; $\leq 2V$ for >200M Ω
Current: $\geq 0.2A$ at 100mV; <0.2A at 1V |
| ◆ Analog Output Resolution: | 15 bit | | |
| ◆ Output Response Time: | <250 msec (0~90%) | | |

ORDER INFORMATION

DC5H-A - [Code 1] [Code 2]- [Code 3]- [Code 4] [Code 5] [Code 6]

Code 1	Input Type	Code 2	Voltage	Code 2	Current	Code 2	Potentiometer	Code 2	Resistor	Code 2	RTD (PT-100)	Code 2	Load Cell	Code 3	Aux. Power	Code 5	Analog Output
D	DC	V1	0~50mV	A1	0~20uA	P1	500 Ω ~10K Ω	I1	0~10 Ω	T1	-50~50°C	L1	1mV/V EX.5V	A	AC/DC100~240V	N	None
A	AC AVG	V2	0~5V	A2	0~200uA	P2	10K Ω ~100K Ω	I2	0~100 Ω	T2	-100~100°C	L2	2mV/V EX.5V	B	DC 12V	A	4~20mA
M	AC TRMS	V3	1~5V	A3	0~2mA	P3	100K Ω ~1M Ω	I3	0~1K Ω	T3	-200~200°C	L3	3mV/V EX.5V	C	DC 22~60V	V	0~10V
P	3 Wire Potentiometer	V4	0~10V	A4	0~20mA	PO	Option	I4	0~10K Ω	T4	0~600°C	L4	1mV/V EX.10V	D	DC 30~90V	O	Option
I	2 Wire Resistor	V5	0~36V	A5	0~200mA			I5	0~100K Ω	TO	Option	L5	2mV/V EX.10V				
T	RTD (PT-100)	V6	0~300V	A6	4~20mA			I6	Option			L6	3mV/V EX.10V				
L	Load Cell	V7	0~600V	A7	0~2A							LO	Option				
2	2, 3 Wire Sensor	VO	Option	A8	0~5A												
4	4 Wire Sensor			A9	0~10A												
				AO	Option												

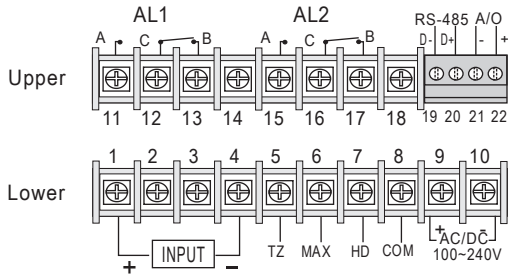
- **1: 2 wire type offers excitation power DC24V for 2 wire (Loop Power) pressure, temperature, humidity sensors using.
- 2: Please specify the input signal and display value, inquiry salespersons for special type.
- 3: Load Cell type of excitation power DC5V can have 2 load cell in parallel; DC10V only can offer 1 load cell to use.
- 4: 3 Relay type only offers A(Normal/Open) output. O.C. (Open Collect) offers NPN of C.E. output.

Code 4	Alarm Output	Code 6	RS-485
N	None	N	None
R1	1 Relay	Y	Yes
R2	2 Relays		
R3	3 Relays		
R4	4 Relays		
O2	2 Open Collect		
O3	3 Open Collect		
O4	4 Open Collect		

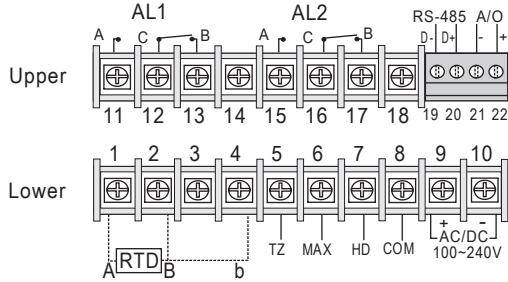
WIRING CONNECTION

2 Alarms Output:

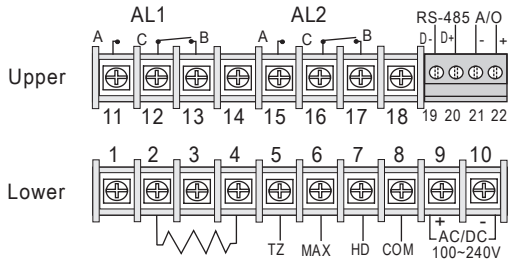
- Voltage, Current (AC, DC)



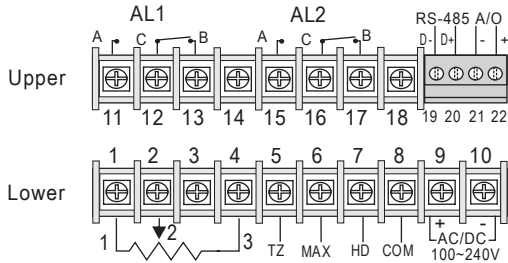
- Temperature (RTD)



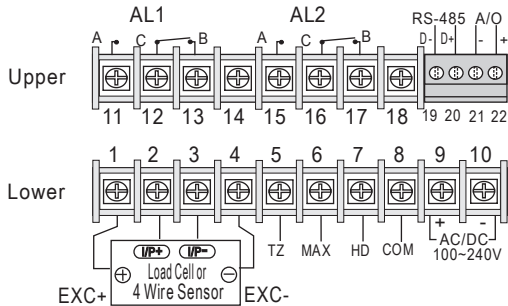
- 2 Wire Resistor



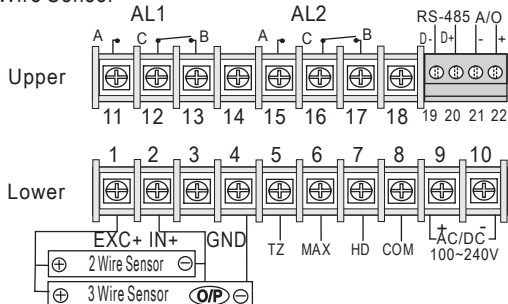
- 3 Wire Potentiometer



- 4 Wire Sensor or Load cell

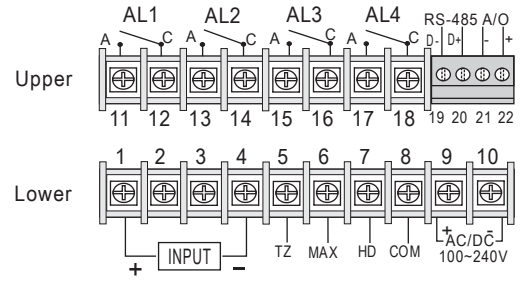


- 2,3 Wire Sensor

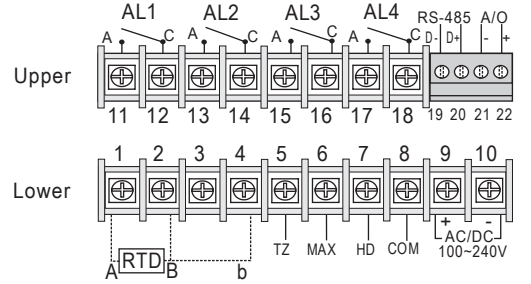


4 Alarms Output:

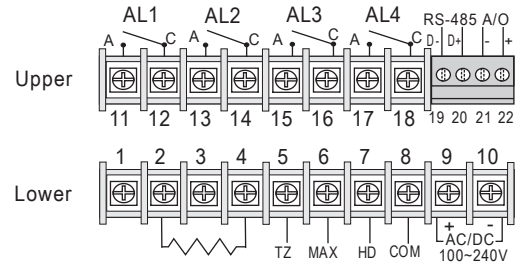
- Voltage, Current (AC, DC)



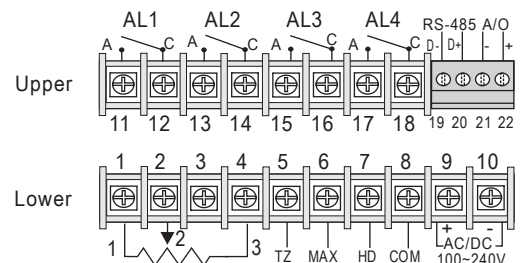
- Temperature (RTD)



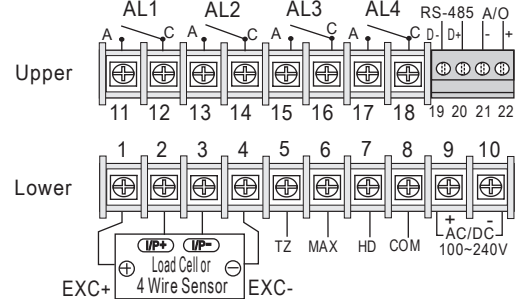
- 2 Wire Resistor



- 3 Wire Potentiometer



- 4 Wire Sensor or Load cell



- 2,3 Wire Sensor

