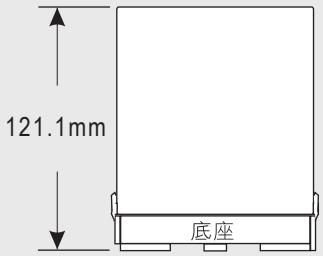
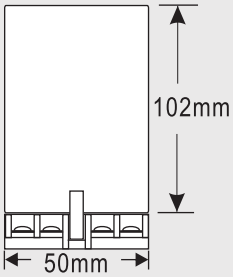
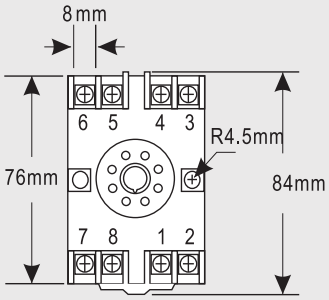
DCbox 5 DIGITS MULTI-FUNCTIONS MICRO-PROCESS SIGNAL ISOLATED TRANSMITTER DDCM-A







- Accuracy: ±0.1% F.S.±1 digit (DC/ Potentiometer/ Resistor/ PT-100/ Load Cell).
  ±0.1% F.S. ±1 digit(AC).
- Measuning AC, DC Voltage/ AC, DC Current/ Potentiometer/ Resistor/ PT-100/ Load Cell).
- High brightness 0.4" LED display range: -199999~999999; decimal point selectable.
- Surge test of AC 2000V/ min between input, output and power.
- Root square/ Max. Hold/ Data Hold/ Reset/ 1~2Alarms (Hi or Lo) programmable.
- Analog output/ RS-485 communication/ analog output simulation function available.
- High stability, non-flammable case (PC), high safety.

SPECIFICATION

- ♦ Accuracy: ±0.1% F.S. (DC / Resistor / Potentiometer / PT-100 / Load Cell) ±0.2% F.S. (AC)
- ♦ Display Screen: High brightness red LED; 10.16mm (0.4")
- ♦ Sampling Rate: 60 cycles/sec
- ♦ Display Range: -19999~99999
- ♦ Zero Adjustment: ±9999
- ♦ Span Adjustment: ±9999
- ♦ Over Range Indication: doFL / ioFL or -doFL / -ioFL
- ♦ Polarity Indication: Automatic with "-" indication
- ♦ Parameters Setting: Push buttons
- ♦ Back Up Memory: EEPROM
- ♦ Analog Output Resolution: 15 bit
- ♦ Output Response Time: ＜250 msec (0~90%)
- ♦ Output Capability: Voltage Output: ＜20mA Current Output: ＜10V
- ♦ Output Ripple: ≦±0.1%F.S.
- ♦ Isolation: Input / Output / Power / Case
- ♦ Temperature Coefficient: 100ppm/℃ (0~60℃)
- ♦ Operating Environment: 0~60℃; 20~90% RH (non-condensing)
- ♦ Storage Environment: -10~70℃; 20~90% RH (non-condensing)
- ♦ Power Supply: AC/DC 22~60, AC/DC 100~240
- ♦ Surge Test: 2 KVac/min
- ♦ Insulation Resistance: >100MΩ with 500 Vdc
- ♦ Input Impendence: Voltage: ＞2V for 20KΩ/V ≦2V for >200MΩ Current: ≧0.2A at100mV ＜0.2A at1V
- ♦ Installation: Socket / Plug in

ORDER INFORMATION

DDCM-A- [Code1] [Code2] [Code3] - [Code4] [Code5]

C1	Input Type
D	DC Signal
A	AC AVG
M	AC TRMS
P	3W Potentiometer
I	2W Resistor
T	RTD (PT-100)
L	Load Cell
2	2W Sensor
3	3W Sensor
4	4W Sensor

C2	Voltage(V)	C2	Current(A)	C2	Potentiometer	C2	Resistor	C2	RTD (PT-100)	C2	Load Cell
V1	0~50mV	A1	0~20uA	P1	500Ω~10KΩ	I1	0~10Ω	T1	-50~50℃	L1	1mV/V EX.5V
V2	0~5V	A2	0~200uA	P2	10KΩ~100KΩ	I2	0~100Ω	T2	0~50℃	L2	2mV/V EX.5V
V3	1~5V	A3	0~2mA	P3	100KΩ~1MΩ	I3	0~1KΩ	T3	0~100℃	L3	3mV/V EX.5V
V4	0~10V	A4	0~20mA	PO	Option	I4	0~10KΩ	T4	0~200℃	L4	1mV/V EX.10V
V5	0~36V	A5	0~200mA			I5	0~100KΩ	T5	0~400℃	L5	2mV/V EX.10V
V6	0~300V	A6	4~20mA			IO	Option	T6	0~600℃	L6	3mV/V EX.10V
V7	0~600V	A8	0~5 A					TO	Option	LO	Option
VO	Option	AO	Option								

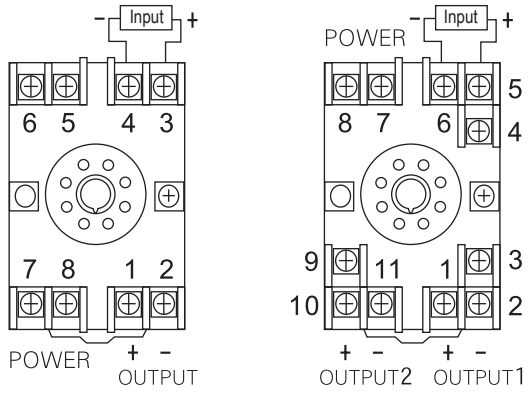
C4	Output1	C5	Output2
A	4~20mA	N	None
V	0~10V	A	4~20mA
O	Option	V	0~10V
Y	Rs485	O	Option
R1	1 Relay		
O1	1 O.C		
R2	2 Relays	N	None
O2	2 O.C	N	None

C2	Aux. Power
A	AC/DC 100~240V
D	AC/DC 22~60V

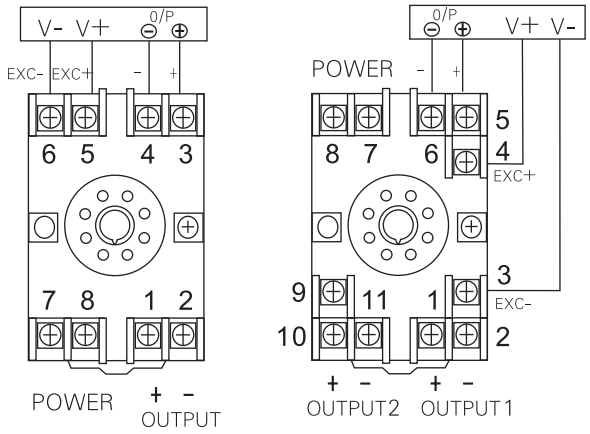
**1: 2 wire type offers excitation power DC24V for 2 wire (Loop Power) pressure, temperature, humidity sensors using.
2: 3.4 wire type offers excitation power DC24V for 3, 4 wire (Loop Power) pressure, temperature, humidity sensors using.

WIRING CONNECTION

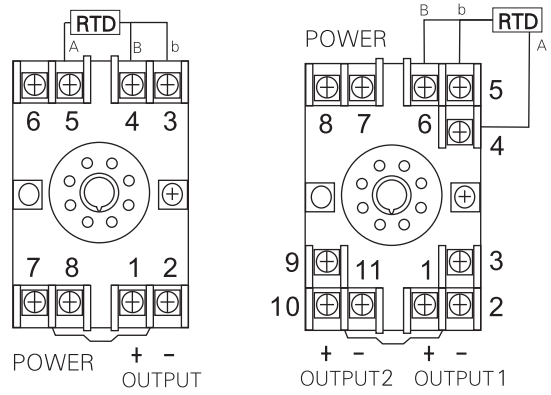
● AC/DC of Voltage, Current:



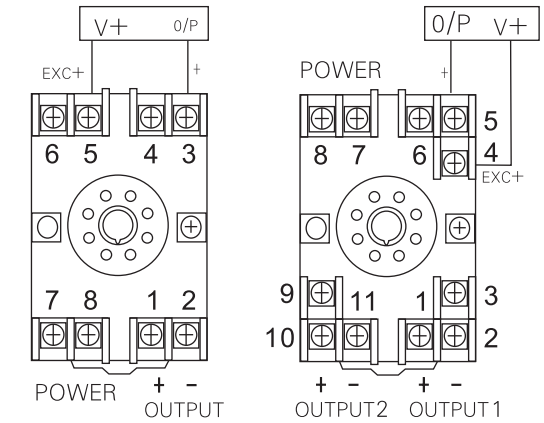
● 4 Wires Transducer/ Load cell:



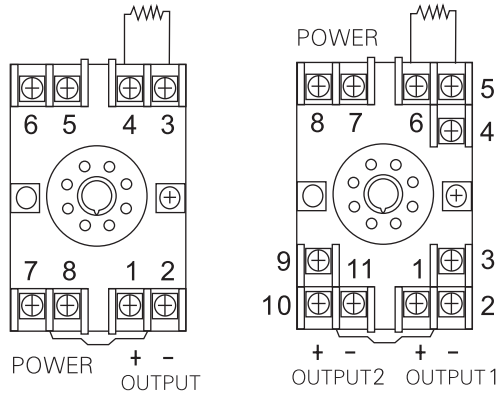
● Temperature Sensor (RTD):



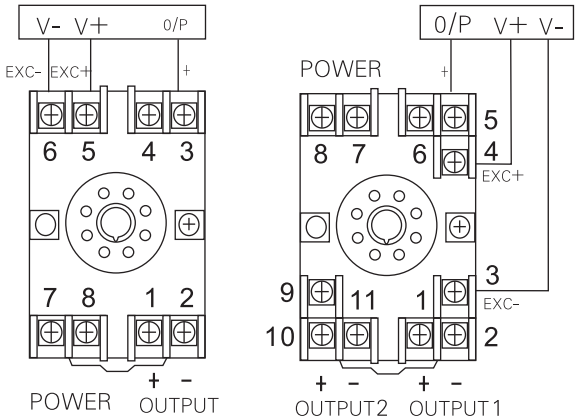
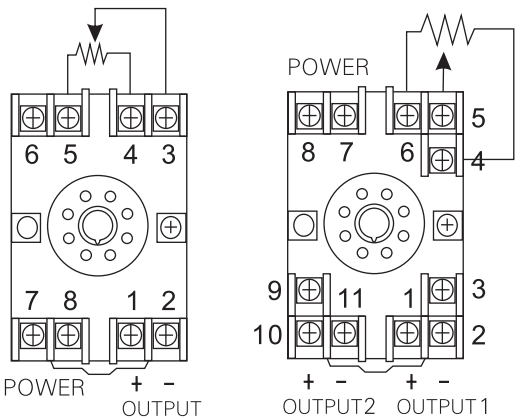
● 2 Wires Transducer:



● 2 Wires Resistance meter:



● 3 Wires Transducer:



● 3 Wires Potentionmeter: