

- DMS - 54(44)A** TRMS AC V/A Meter (4-sets)
- DMS - 54(44)D** DC V/A, Analog Meter (4-sets)
- DMS - 52(42)A** TRMS AC V/A Meter (2-sets)
- DMS - 52(42)D** DC V/A, Analog Meter (2-sets)
- DMS - 42C** RTD Temperature Meter (2-sets)

Specifications

- Display :** Red LED 0.4" (10.1mm) high
Green LED 0.3" (7.6mm) high
- Max. Display :** 4 1/2 digits (DMS-5), 4 digits (DMS-4)
- Polarity Display :** "—" symbol is displayed automatically
- Over range Indication :** "o.L "
- Conversion Rate :** 2.5/sec.(DC) or 1/sec.(AC)
- Decimal Point :** Settable to any digit position by front sheet switch
- External Control :** Hold
- Accuracy :** ±0.1% FS.(DMS-5), ±0.2% FS.(DMS-4)
- Operating Temp. :** 0~60°C/ Below 80%R.H.
- Storage Temp. :** -10~70°C/ Below 70% R.H.
- Power Supply :** AC 115/230V±10%, 50/60Hz
Option : DC 12, 24, 48, 120V±20%
- Power Consumption :** Approx. 5VA
- Weight :** Approx. 550g
- Dielectric Strength :** AC 1500V/1min (Input/Power)
- Insulation Resistance :** More than 100MΩ at 500VDC
- Dimensions :** 96(W) x 48(H) x 144(D)mm
- Panel Cut-Out :** 91.5(W) x 44(H)mm

Comparison section

- Control System :** Microcomputer
- Setting Range :** -19999 to +19999 (-9999~+9999)
- Relay Contact Capacity :** AC 250V, 1A resistive load
DC 30V, 2A resistive load

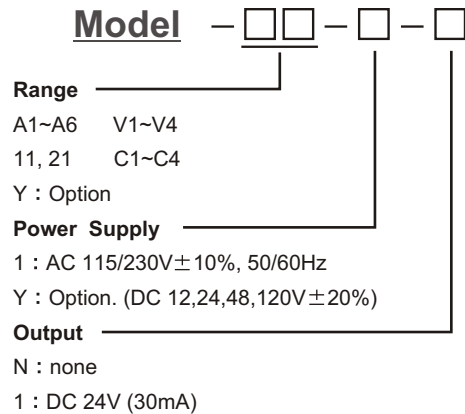
Comparative Condition :

- Model : DMS - 54(44)
- Indication > HH set point → HH LED on .
- HH set point ≥ Indication > HI set point → HI LED on .
- HI set point ≥ Indication > LO set point → GO LED on .
- LO set point ≥ Indication > LL set point → LO LED on .
- LL set point ≥ Indication → LL LED on .
- Model : DMS - 52(42)
- Indication > HI set point → HI LED on .
- HI set point ≥ Indication > LO set point → GO LED on .
- LO set point > Indication → LO LED on .

Features

- Relay output time delay 0~99sec.
- True RMS V/A
- Rate free setting
- 4~20mA, 1~5V Measurement
- Output DC 24V (30mA) for two wire sensor
- Direct setting function
- DIN case 96 x 48mm

Order Code



AC/DC Voltage/Current Measurement Item

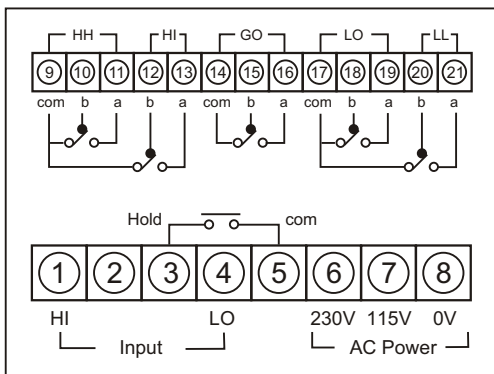
Code	Range (DMS-4)	Range (DMS-5)	Input Impedance	Input Protection
A1	0~999.9uA	0~1.9999mA	100Ω	50mA
A2	0~9.999mA	0~19.999mA	10Ω	150mA
A3	0~99.99mA	0~199.99mA	1Ω	500mA
A4	0~999.9mA	0~1.9999A	0.1Ω	3A
A5	0~5.000A	0~5.000A	0.05Ω	10A
A6	0~10.00A	0~10.000A	0.01Ω	15A
V1	0~ 9.999V	0~ 1.9999V	1MΩ	300V
V2	0~ 99.99V	0~ 19.999V		300V
V3	0~ 600.0V	0~ 199.99V		600V
V4	0~ 999.9mV	0~ 600.0V		300V
11	DC 1~5V	DC 1~5V		±300V
21	DC 4~20mA	DC 4~20mA		10Ω

RTD Temperature Measurement Item

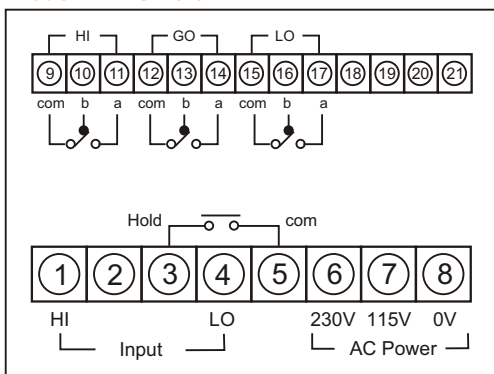
Code	Range	Sensor
C1	-100.0~100.0°C	PT-100 DIN---standard (JIS---option)
C2	0~100.0°C	
C3	0~200.0°C	
C4	0~400.0°C	

Connection Diagram

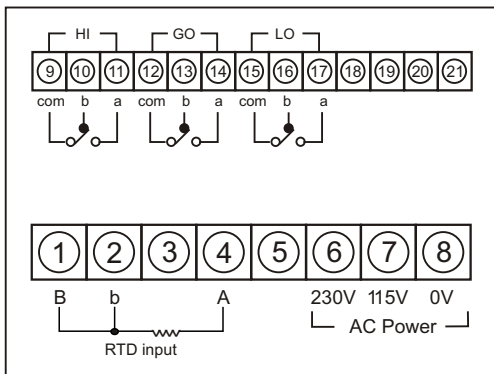
Model : DMS - 54/44



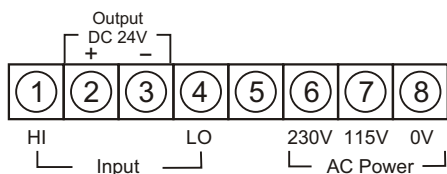
Model : DMS - 52/42



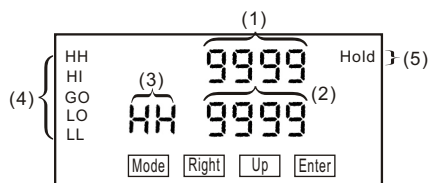
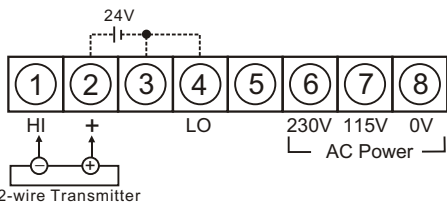
Model : DMS - 42C



Output DC 24V (30mA) for sensor



When used as DC24V supply



Description of Front Panel

- (1) 4 digits red LED, display the measurement value of input.
- (2) 4 digits green LED, indicate the set-up value.
- (3) 2 digits green LED, indicate HH, HI, LO, LL
- (4) When Relay is on, to indicate the current position of Relay is at HH, HI, LO, LL
- (5) Data Hold

Illustration of Code

- 5HH : Set up value of **HH**
- 5HI : Set up value of **HI**
- 5L_o : Set up value of **LO**
- 5LL : Set up value of **LL**
- dLY : Set up **Delayed-Time**
- FSC : Set up **Full Scale**
- QFS : **Offset**
- dEP : Set up position of **Decimal Point**

Dimensions

