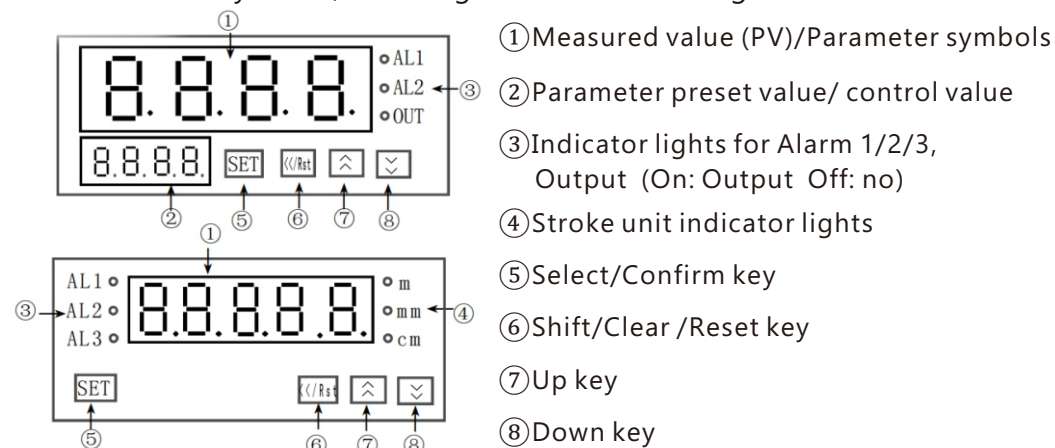


1. Introduction

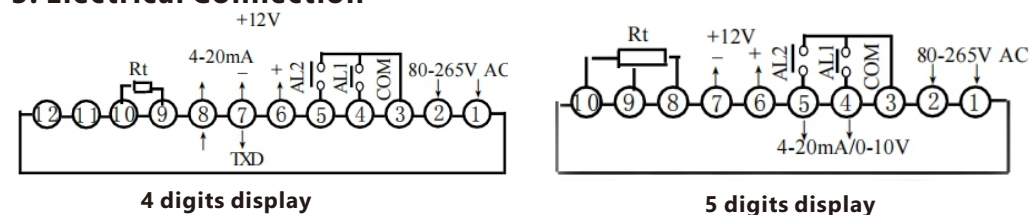
The DM Series controller provides isolated power for precise potentiometer or resistance signal sampling. It supports external terminal-based shift resetting and offers up to 6 configurable control outputs for accurate position or displacement control. Optional features include data logging and RS485 communication for seamless integration with PC or PLC systems, enabling remote monitoring and control.



2. Specifications

Dimension	96x96x80mm,48x48x80mm,96x48x80mm
Cutout size	92x92mm,46x46mm,92x46mm
Power supply	90-260V AC 50/60Hz or 15-30V AC/DC
Sampling	4 digit:≤ 16 times/sec. 5 digit:16-128 times/sec
Accuracy	4 digit:0.3%F.S ± 2digit 5 digit:0.1%F.S
Alarm	Relay: NO AC 250V/3A or DC 30V/3A
Input signal	Resistance, mA, V, etc. can be customized
Analog output signal	4~20mA, 0~10V optional
Internal power	DC 12/24V/30mA
Communication	RS232 or RS485 optional

3. Electrical Connection



Note: Refer to the actual wiring diagram on the instrument.

4. Parameters Setting

4.1 Control Parameter Setting: While in display mode, press and hold the ***SET*** key for more than 3 seconds to enter the setting menu. Press the ***<< / RST*** key to make the LED flash, then use ****≡/ ≡**** to modify the value. Press ***SET*** to confirm. Continue pressing ***SET*** to cycle through all parameters.

4.2 Adjustment (Zero & Range Setting): Connect the device and sensor according to the wiring diagram. Power on and enter the menu:

* Set ***USP*** to your desired preset position.

* Set ***PVF*** to 0.000.

* At the zero position, press and hold the ****≡**** key for more than 5 seconds until "OK" flashes — this sets the zero point.

* Move to the ***USP*** position and again press and hold the ****≡**** key for more than 5 seconds until "OK" flashes — this sets the range.

* If the error is large, repeat the adjustment.

4.3 Position Shift Operation: While in display mode, press and hold the ***<< / RST*** key until "0" appears — position shift reset is complete.

4.4 Auto Exit: The instrument will return to display mode automatically after 25 seconds of inactivity.

