

FM Series of Frequency/Tacho/Line Speed Meter



48H*96W*100L

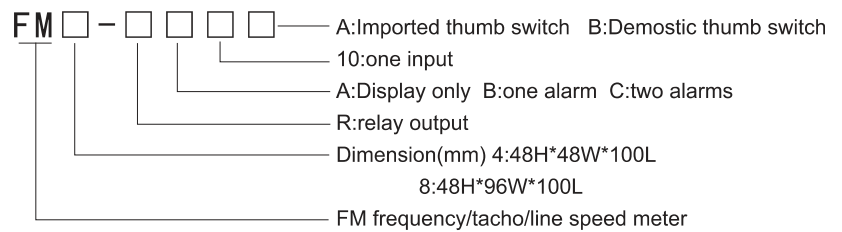
1. FEATURES:

- ⊙ 4-digit(FM4) or 5-digit LED(FM8) display
- ⊙ Thumb switch setting
- ⊙ 4 alarm modes(U-U),(U-d),(d-U),(d-d) selectable
- ⊙ Multi-function as frequency/tacho/line speed meter
- ⊙ Input & output isolated
- ⊙ High anti-disturbance
- ⊙ High accuracy



48H*48W*100L

CODE ILLUSTRATION



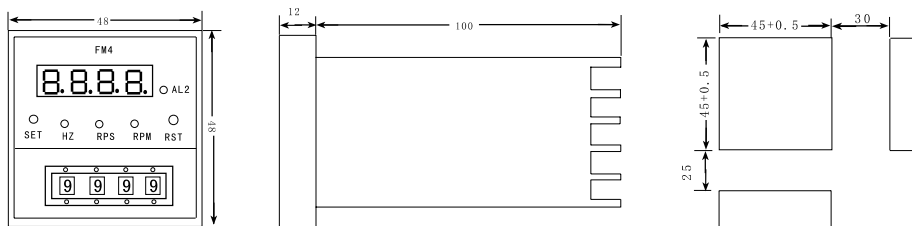
2. PANEL ILLUSTRATION



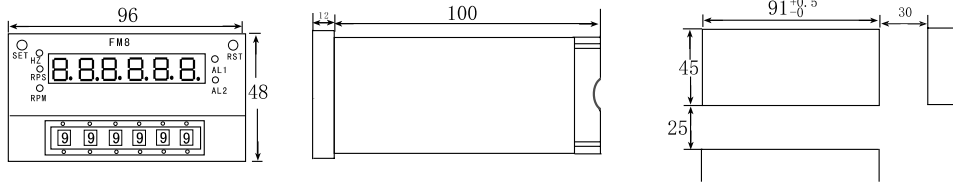
ORDERING CODE

Model	Dimension(mm)	LED display	Alarm	Range	Power supply
FM4-A10A/B	48H*48W*100L	4 digits	No	0.1~5KHz	85~265V AC/DC
FM4-RB10A/B	48H*48W*100L	4 digits	One	0.1~5KHz	85~265V AC/DC
FM8-A10A/B	48H*96W*100L	5 digits	No	0.1~5KHz	220V/110V AC
FM8-RB10A/B	48H*96W*100L	5 digits	One	0.1~5KHz	220V/110V AC
FM8-RC10A/B	48H*96W*100L	5 digits	Two	0.1~5KHz	220V/110V AC

3. Dimension and Connection

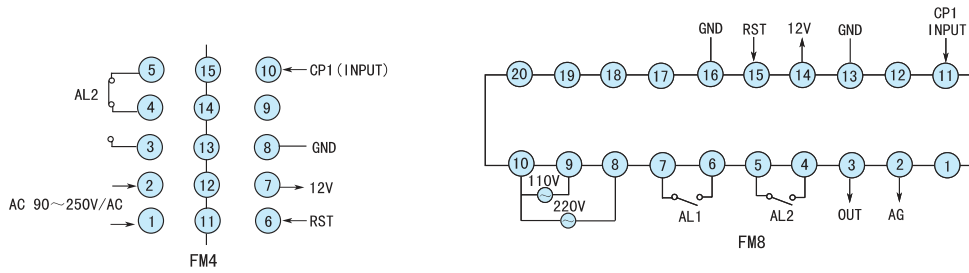


FM4



FM8

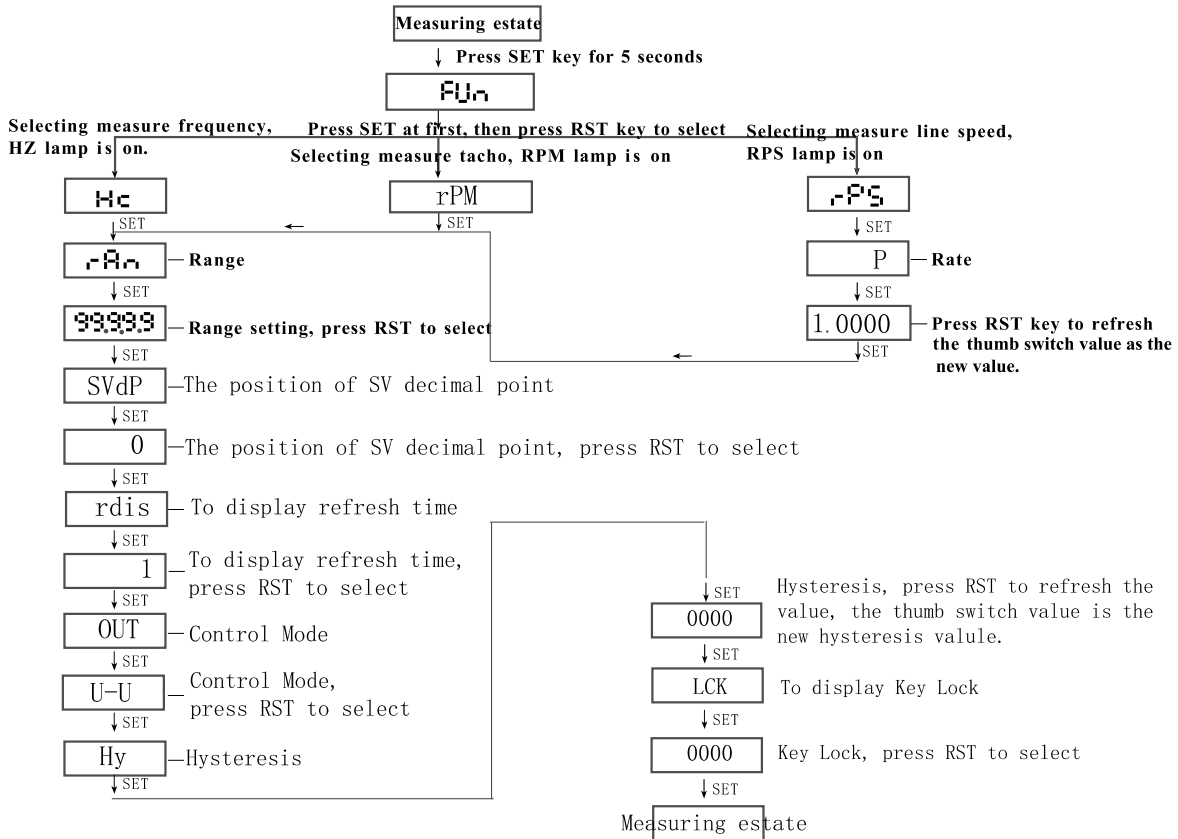
CONNECTION



Note: all connections are subject to the diagram on the meter for change if any.

4. Operation

- 1、 Please study the instruction carefully and check if the connection is correct before power on.
- 2、 The parameters can be set by the thumb switches and press keys.
SET: set and confirm key
RST: parameter selecting key
- 3、 Operating process



5、Special notes and simple malfunction handling

- The input wire should not be so long. We suggest use the shielded wire to improve the anti-interference capacity. The instrument should not use in the environment of high humidity (>90RH%) or high acidity.
- means overload range “□□□□”
- If the instrument is for display only, we suggest to set the measuring range as float decimal point. Refresh time display rdiS=0, Hysteresis H-H as largest as possible.
If the instrument is for alarm output, it should be set as fixed decimal point. And select the two relay as NO or NC.
- Malfunction handling

A: displaying not stable, relay malfunction.

*Use the shielded wire, let the input signal under the situation without high interference.

*Set the decimal point correctly. (r A.n)

*Use the pure power supply.

*Adjust the hysteresis correctly.

B: There is signal input, but the instrument displays 0.

*Check if the wire connection is correct.

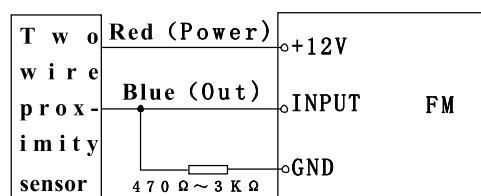
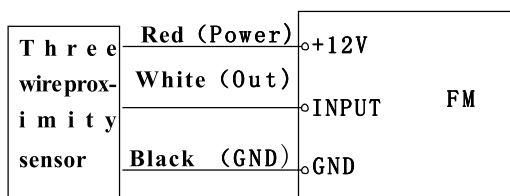
*Check if the situation of diagrams is correct.

*Check if the refresh time is correct.

Refresh time display	Range	Note
0	0. 1HZ ~ 5 KHZ	Auto-Refresh
0. 5	2HZ ~ 5 KHZ	Refresh per 0.5 second
1	1HZ ~ 5 KHZ	Refresh per 1 second
2	0. 5HZ ~ 5 KHZ	Refresh per 2 seconds
10	0. 1HZ ~ 5 KHZ	Refresh per 10 seconds
20	0. 1HZ ~ 5 KHZ	Refresh per 20 seconds

5、Rate setting (P): The rate stands for the length of each pulse. Line speed=frequency X P. Frequency and Tacho does not have this rate.

6、Example for usage

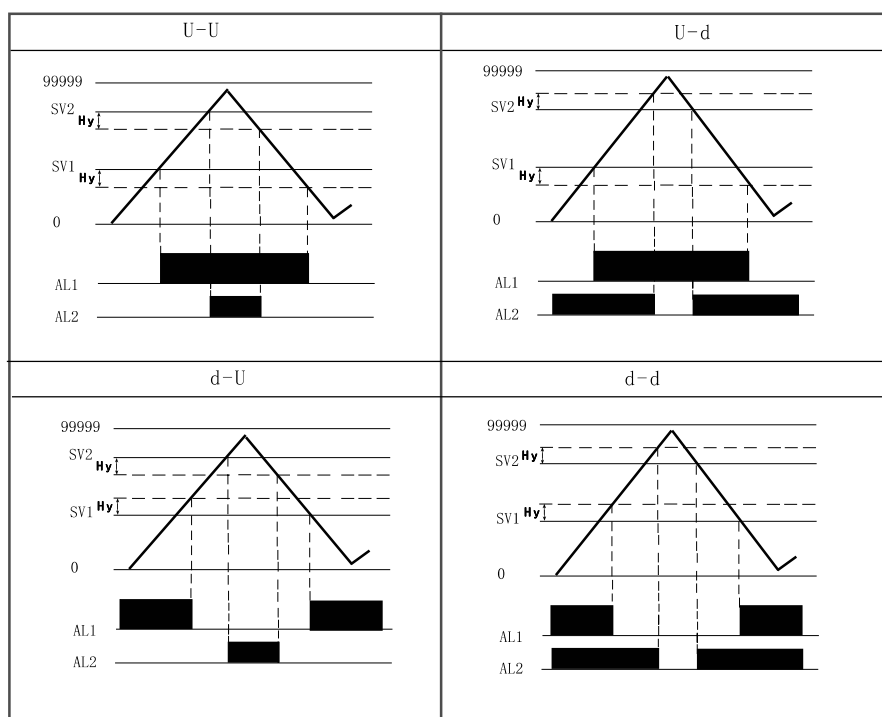


Form 1: Parameters

Code		Meaning	Specifications	Range	Factory setting
1	FUn	Function selecting	Select the measuring function of measuring HZ: frequency, HZ lamp on RPS: line speed, RPS lamp on RPM: tacho, RPM lamp on	HZ、RPS RPM	HZ
2	P	Line speed	Setting rate value. Press RST key to refresh the new rate value of SV2. And decimal point changed too. If don't press RST key, the value saved as the last time.	0.001~99.99 (FM4) 0.0001~999.99 (FM8)	1.0000
3	r A.n	Measuring range	Setting the measuring range and press RST key to select. Fixed decimal point Float decimal point	99999 9999.9 999.99 99.999 99.9.9.9	99.9.9.9
4	rdiS	Refresh time display	Press RST key to select 0.5: refresh per 0.5 second 1: refresh per 1 second 2: refresh per 2 seconds 10: refresh per 10 seconds 20: refresh per 20 seconds	0.5 (S) 1 (S) 2 (S) 10 (S) 20 (S)	1 (S)

Code		Meaning	Specifications	Range	Factory setting
5	oU7	Output	Press RST key to select U-U: Up-UpU-d: Up-Downd-U: Down-Up d-d: Down-Down (Please refer Form A)	U-U U-d d-U d-d	U-U
6	H3	Hysteresis	Press RST key to refresh the new setting value, otherwise the value saved as the last time.	0-9999	0
7	LC2	Key protection	Press RST key to select:0000: No protection 1111: Thumb protection only. Press RST key to refresh, then the new value is available 3333: Protecting for factory use only, not for users.	0000 1111 3333	0000

Form A: The relationship between measuring range and alarms.



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杰出品牌

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