

5 DIGITAL MICRO-PROCESS FLOW METER with 1~4 ALARMS / ANALOG OUTPUT / RS-485

CFM-A

FEATURES

- Accuracy: $\pm 0.05\%$ F.S. ± 1 digit
- High brightness 0.8" LED display range: -19999~99999; decimal point selectable
- 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



ORDER INFORMATION: CFM-A - [Code 1] [Code 2] - [Code 3] - [Code 4] [Code 5] [Code 6]

Code 1	Input Type	Code 2	Input Signal	Code 3	Aux. Power	Code 4	Alarm Output	Code 5	Analog Output	Code 6	RS-485
D	DC	A6	4~20mA	A	AC/DC100~240V	N	None	N	None	N	None
2	2, 3 Wire Sensor	V3	1~5V	B	DC 12V	R2	2 Relays	A	4~20mA	Y	Yes
4	4 Wire Sensor	V4	0~10V	C	DC 22~60V	R3	3 Relays	V	0~10V		
		O	Option	D	DC 30~90V	R4	4 Relays	O	Option		
						O2	2 Open Collect				
						O3	3 Open Collect				
						O4	4 Open Collect				

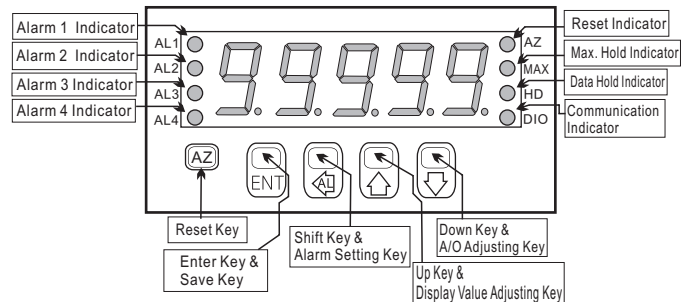
**1: 2 wire type offers excitation power DC24V for 2 wire (Loop Power) flow sensors using.

2: 3 Relay type only offers A(NornalOpen) output. O.C. (Open Collect) offers NPN of C.E. output.

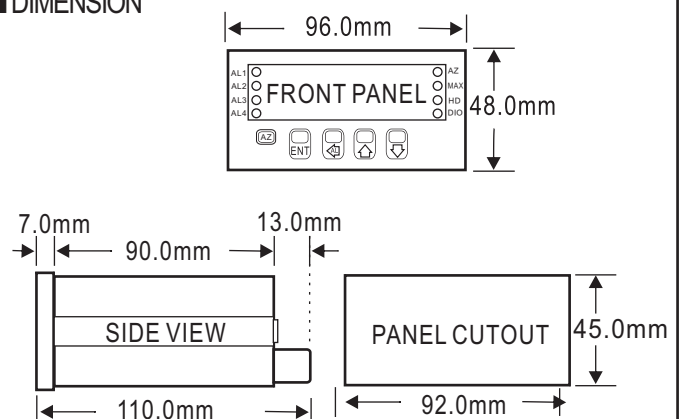
SPECIFICATION

- ◆ Accuracy: $\pm 0.1\%$
- ◆ Display Screen: High brightness red LED; 20.3mm(0.8")
- ◆ Sampling Cycle: 16 cycles / sec (AVG=1)
- ◆ Display Range: -19999~99999
- ◆ Zero Adjustment: -19999~99999
- ◆ Over Range Indication: doFL / ioFL or -doFL / -ioFL
- ◆ Polarity Indication: Automatic with "-" indication
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Alarm Action: " \geq (Hi) on" or "< (Lo) on"
- ◆ Alarm Hysteresis Range: 0~9999
- ◆ Alarm Run Delay Time: 0~99 sec
- ◆ Relay Contact: AC 277V / 7A; DC 30V / 7A
- ◆ Analog Output Resolution: 15 bit
- ◆ Output Response Time: <250 msec (0~90%)
- ◆ Output Capability: Voltage Output: <20mA
Current Output: <10V
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 38400 / 19200 / 9600 / 4800 bps
- ◆ Parity Check: n.8.2. / n.8.1. / odd / even
- ◆ Temperature Coefficient: 100ppm / $^{\circ}\text{C}$ (0~60 $^{\circ}\text{C}$)
- ◆ Operating Temperature: 0~60 $^{\circ}\text{C}$
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}\text{C}$
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V; DC 22~60V
- ◆ Power Consumption: 8.5VA (all functions output)
2KVac / 1min (Input / Power)
- ◆ Surge Test: Voltage: >2V for 20K Ω / V; ≤ 2 V for >200M Ω
Current: ≥ 0.2 A at 100mV; <0.2A at 1V
- ◆ Input Impedence: Voltage: >2V for 20K Ω / V; ≤ 2 V for >200M Ω
Current: ≥ 0.2 A at 100mV; <0.2A at 1V
- ◆ Dimensions: 96(W)*48(H)*110(D) mm
- ◆ Weight: About 500 g

FRONT PANEL & KEY FUNCTIONS



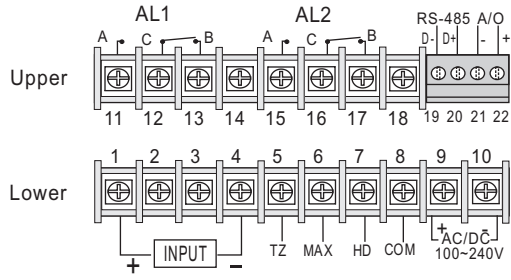
DIMENSION



WIRING CONNECTION

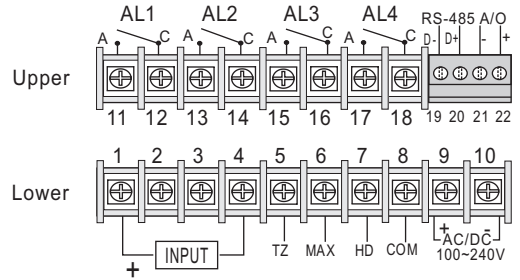
2 Alarms Output:

- Voltage, Current (DC)

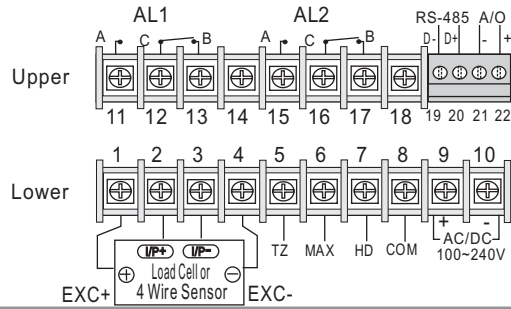


4 Alarms Output:

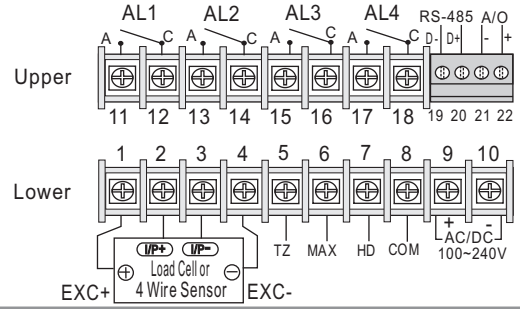
- Voltage, Current (DC)



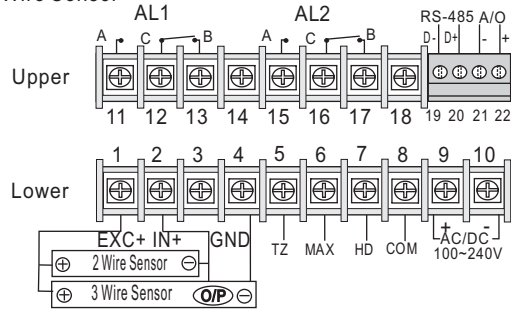
- 4 Wire Sensor or Load cell



- 4 Wire Sensor or Load cell



- 2,3 Wire Sensor



- 2,3 Wire Sensor

