

5 DIGITAL MICRO-PROCESS PULSE INPUT FLOW METER

with 1~4 ALARMS / ANALOG OUTPUT / RS-485

CFM-R

FEATURES

- Accuracy: $\pm 0.03\%$ F.S.
- High brightness 0.8" LED display: 0~99999; decimal point selectable
- Flow unit selectable: Liter / Gal / C.C. / m^3
- K factor programmable for pulse output per liter
- 2~4 alarms programmable (Hi or Lo) / Analog output (15 bit resolution) / RS-485 communication optional (The above option can exist together)
- High stability, non-flammable case (PC), high safety
- CE approval



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

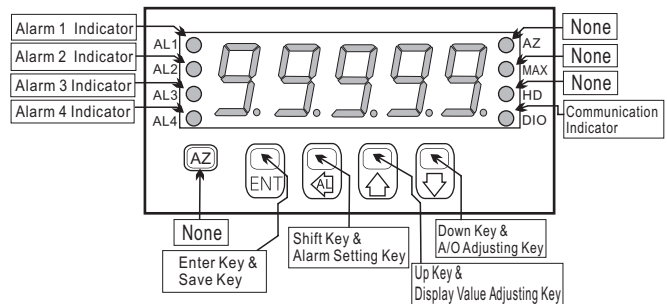
Code 1	Input Signal	Code 1	Input Signal	Code 2	Aux. Power	Code 2	Alarm Output	Code 2	Alarm Output	Code 4	Analog Output	Code 5	RS-485
N5	NPN(5V)	VA	AC 2~60V	A	AC/DC 100~240V	N	None	O1	1 Open Collect	N	None	N	None
N2	NPN(12V)	VB	AC 60~600V	B	DC 12V	R1	1 Relay	O2	2 Open Collect	A	4~20mA	Y	Yes
P5	PNP(5V)	VC	Pick-up 50mV~1.5V	C	DC 22~60V	R2	2 Relays	O3	3 Open Collect	V	0~10V		
P2	PNP(12V)	VD	Pick-up 500mV~15V	D	DC 30~90V	R3	3 Relays	O4	4 Open Collect	O	Option		
CT	Contact	VE	DC 24Vp			R4	4 Relays						
		O	Option										

**1: NPN(5V),PNP(5V) offers excitation power DC5V; NPN(12V),PNP(12V) offers excitation power DC12V for flow sensors using.
2: Please use PNP/NPN(5V/12V) or DC24Vp for DC pulse input.

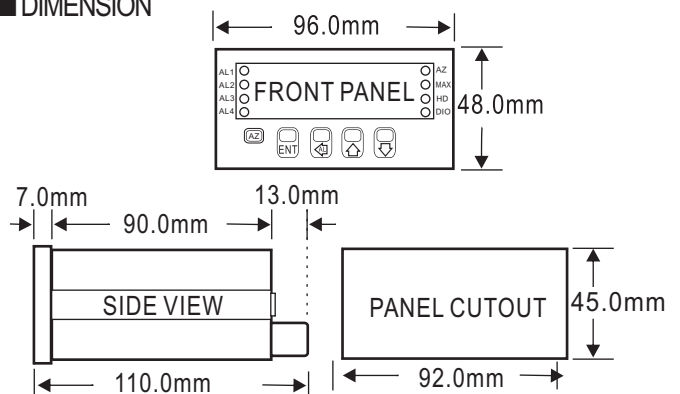
SPECIFICATION

- ◆ Accuracy: $\pm 0.03\%$ F.S.
- ◆ Display Screen: High brightness red LED; 20.3mm(0.8")
- ◆ Input Frequency: 400~10KHz; 100KHz (50% duty cycle)
- ◆ Sampling Cycle: 10 cycles / sec: >10Hz
f cycles / sec: <10Hz
- ◆ Display Range: 0~99999
- ◆ Over Range Indication: 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 / $^{\circ}C$ (0~60 $^{\circ}C$)
- ◆ Operating Temperature: 0~60 $^{\circ}C$
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}C$
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V; DC 22~60V
- ◆ Power Consumption: 8.5VA (all functions output)
- ◆ Surge Test: 2KVac / 1min (Input / Power)
- ◆ Dimensions: 96(W)*48(H)*110(D) mm
- ◆ Weight: About 500 g

FRONT PANEL & KEY FUNCTIONS



DIMENSION



WIRING CONNECTION

