

10-Digit, Microprocessor-based TOTALISER

(with Alarms & Analogue output)

KFM-TA

FEATURES

- Accuracy: $\pm 0.1\%$ F.S. ± 1 digit
- High brightness 0.4" LED; Rate of display range: 0~99999
- Rate / Total decimal point selectable
- Time parameters programmable (sec / min / hour)
- Total scale programmable (0.0001~9.9999)
- Reset for Total by external control input
- Roof square function available for analog input
- 2 Alarms for Rate / 2 alarm for Total (Alarm 1 programmable) / Pulse Output / Analog Output (15 bit resolution) optional (The above options can exist together)
- High stability, non-flammable case (PC), high safety
- CE approval



ORDER INFORMATION: KFM - TA - [Code 1] [Code 2] - [Code 3] - [Code 4] [Code 5] [Code 6] [Code 7] [Code 8]

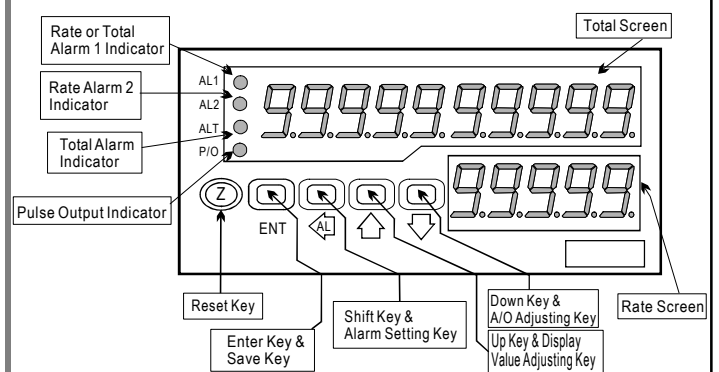
Code 1	Input Type	Code 2	Input Signal	Code 3	Aux. Power	Code 4	Alarm 1 Setting	Code 5	Rate Alarm Output	Code 6	Total Alarm Output	Code 7	Pulse O/P	Code 8	Analog Output
D	DC	A6	4~20mA	A	AC/DC 100~240V	N	None	N	None	N	None	N	None	N	None
2	2, 3 Wire Sensor	V3	1~5V	B	DC 12V	R	Rate Alarm x 1	R	1 Relay	T	1 Relay	P	P/Count	A	4~20mA
4	4 Wire Sensor	V4	0~10V	C	DC 24V	T	Total Alarm x 1							V	0~10V
		O	Option	D	DC 30~90V									O	Option

**1: 2 wire type offers excitation power DC24V for 2 wire (Loop Power) flow sensors using.
2: 3.4 wire type offers excitation power DC24V for 3, 4 wire (Loop Power) flow sensors using.

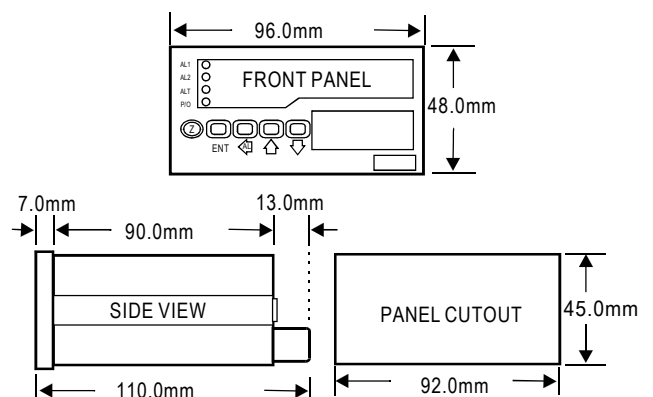
SPECIFICATION

- ◆ Accuracy: $\pm 0.1\%$ F.S. ± 1 digit
- ◆ Display Screen: High brightness red LED; 10.16mm(0.4")
- ◆ Sampling Time: 16 cycles / sec
- ◆ Display Range: Rate: 0~19999
Total: 0~999999999
- ◆ Zero Adjustment: Rate: 0~99999
- ◆ Over Range Indication: doFL / ioFL or -doFL / -ioFL
- ◆ Polarity Indication: Automatic with "-" indication
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Alarm Action: Rate: " \geq (Hi) on" or "< (Lo) on"
Total: " \geq (Hi) on"
- ◆ 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
- ◆ Temperature Coefficient: 100ppm / °C (0~60°C)
- ◆ Operating Temperature: 0~60°C
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70°C
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V; DC 12 / 24 / 30~90V
- ◆ Power Consumption: 8.5VA (all functions output)
- ◆ Surge Test: 1.5KVac / 1min (Input / Power)
- ◆ Input Impedance: Voltage: >2V for 20K Ω / V; $\leq 2V$ for >200M Ω
Current: $\geq 0.2A$ at 100mV; <0.2A at 1V

FRONT PANEL & KEY FUNCTIONS



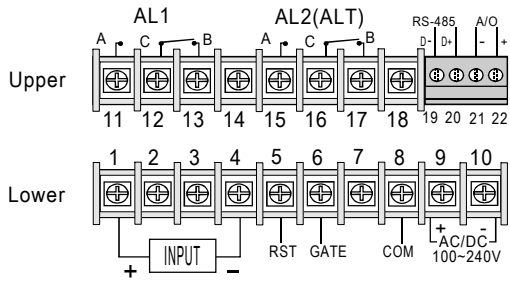
DIMENSION



WIRING CONNECTION

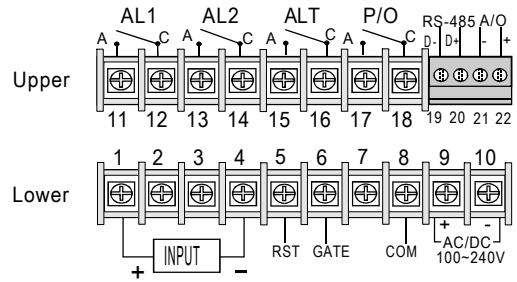
2 Alarms for Rate

- Voltage, Current (DC)

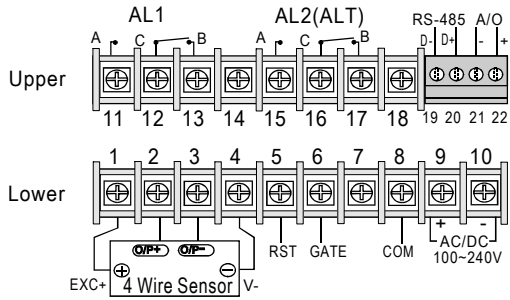


2 Alarms for Rate / 1 Alarm for Total / Pulse Output for Total

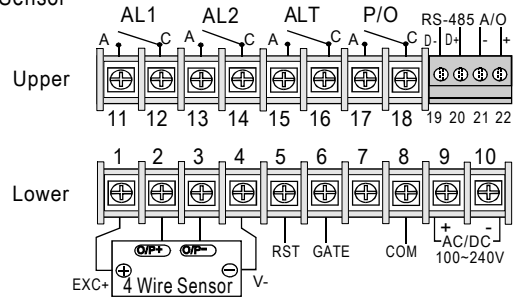
- Voltage, Current (DC)



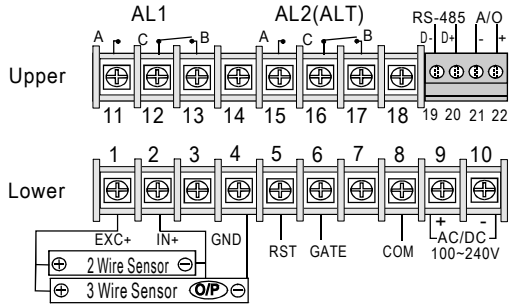
- 4 Wire Sensor



- 4 Wire Sensor



- 2,3 Wire Sensor



- 2,3 Wire Sensor

