



FEATURES

- Readout range from -19999 to 99999
- Accepts input rates up to 10KHz
- Accept input rates 50 or 5000 CPS can be modified
- Four counting modes Up, Down, Up/Down, quadrature can be modified
- Quadrature sensing up to 4 times resolution
- Input scaling multiplied 0.0001 to 9.9999 can be modified
- Two alarm function (optional)
- 15 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)

1: MODEL: MMC-

| NO | Input Type | NO | Input rates | NO | Counting Mode | NO | Alarm output | NO | Analog output | NO | RS-485 | NO | Aux. POWER |
|----|-----------------------------|----|-----------------|----|---------------|----|--------------|--|---------------|-------------|--------|--------------------------|--------------|
| A | Pulse (TTL) (5V) | 1 | 50 pulse/sec. | 1 | Up | 0 | None | N | None | N | None | A | AC/DC18-60V |
| B | Pulse (NPN) (12V) | 2 | 5000 pulse/sec. | 2 | Down | 1 | One | I | DC4-20mA | Y | RS-485 | B | AC/DC90-260V |
| C | Pulse (PNP) (12V) | | | 3 | Up/Down | 2 | Two | V | DC0-10V | Modbus mode | | Less 4VA for AC/DC input | |
| D | Magnetic pick-up(50mV-1.5V) | | | 4 | Quadrature | | | T | DC4-20mA | | | | |
| E | Magnetic pick-up(500mV-15V) | | | | | | | R | SPECIFIED | | | | |
| F | AC2-60V | | | | | | | Relay contact (AC250V-5A, DC30V-7A) | | | | | |
| O | SPECIFIED | | | | | | | Two-wire transmitter (Exciting voltage DC10-36V) | | | | | |

2: SPECIFICATION

- Count input type : Jump-pin selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels : HI bias (CMOS) (V_{IH}=7.5V, V_{IL}=5.5V)
LO bias (TTL) (V_{IH}=3.7V, V_{IL}=2.0V)
- Max. count rates : <10KHz (up, down, up/down mode)
<5KHz (quadrature mode)
- Over input indication : " doFL " and "-doFL"
- Readout (compare) range : -19999 to 99999 digit adjustable
- Alarm action : HI or Lo adjustable
- Relay contact output : AC 250V-5A, DC 30V-7A
- Analog output resolution : 15 bit DAC (isolating)
- Response time : < 1/f + 10 ms(0-90%)
- Output drive capability : < 10mA for voltage mode
< 10V for current mode
< [(V+)-7.5V]/20mA for two-wire mode
- Output ripple (p-p) : < 0.1% F.S.
- RS-485 address : "01"- "FF"
- RS-485 baud rate : 19200/9600/4800/2400 selective
- RS-485 protocol : Modbus RTU mode
- Display : Red high efficiency LEDs high 14.22mm (.56")
- Parameter setting : Touch switches
- Sensor power supply : 12VDC ± 3%(<60mA)
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power)
1600Vdc (input/output)
- Operating condition : 0-50 (20 to 90% RH non-condensed)
- Storage condition : 0-70 (20 to 90% RH non-condensed)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001
EN 55024:1998/A1:2001

3: OUTSIDE DIMENSION AND CONNECTION DIAGRAM

