



(FEATURES)

- Readout range from -19999 to 99999
- Accepts input rates up to 10KHz
- Accept input rates 50 or 500 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/DC 18-60V
B	Pulse (NPN) (12V)	2	5000 pulse/sec.	2	Down	1	One	I	DC4-20mA	Y	RS-485	B	AC/DC 90-260V
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		#Relay contact (AC250V-3A, DC30V-5A)	R	SPECIFIED				
E	Magnetic pick-up (500mV-15V)								#input/output isolating				
F	AC2-60V												
O	SPECIFIED												

2: SPECIFICATION

- # Count input type : Switch 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)
<5K Hz (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-3A, DC 30V-5A
- # 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
- # 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 $\pm 1-3\%$ (<60mA)
- # Memory mode : Non-volatile E² PROM memory
- # Dielectric strength : 2KVac/1 min. (input/output/power)
1600Vdc (input/output)
- # Operating condition : 0-50°C (20 to 90% RH non-condensed)
- # Storage condition : 0-70°C (20 to 90% RH non-condensed)

3: OUTSIDE DIMENSION AND CONNECTION DIAGRAM

