

# 5 DIGIT MICROPROCESS COUNTER,24x48mm(Low Power)

**MODEL  
MC24**



## ■FEATURES

- Accepts input rates up to 10KHz
- 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
- Dimension small (24x48x48.5mm) and High stability
- Discrete terminal,connector easy
- CE EMC certification

### 1:MODEL:MC24-□ □ □

| NO | Input Type (Exciting) | NO                                     | Input Rates   | NO | Aux.Power            | NO | Aux.Power                                |
|----|-----------------------|--|---------------|----|----------------------|----|--|
| A  | Pulse (TTL) (DC5V)    | 1                                      | 50 pulse/sec  | A  | DC5V(Non-isolating)  | E  | AC/DC20~260V (Isolating)                 |
| B  | Pulse (NPN) (DC12V)   | 2                                      | 10K pulse/sec | B  | DC5V(Isolating)      |    |  |
| C  | Pulse (PNP) (DC12V)   | 1:Contact input<br>2:Non-contact input |               | C  | DC12V(Non-isolating) |    | •DC Power ±10%<br>•Less 0.75VA for input |
| O  | SPECIFIED             |  |               | D  | DC12V(Isolating)     |    |  |

### 2:SPECIFICATION

- Count input type : Jump-pin selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels : High level: $V_{IH}=4\sim 30V$ (Pulse)  
Low level: $V_{IL}=0\sim 2V$ (Pulse)
- Max.count rates : <10KHz (up,down,up/down mode)  
<5KHz (quadrature mode)
- Readout (compare)rang : -19999 to 99999 digit
- Reset type : Manual or external
- Reset input signal width : >20ms.
- Display : Brigh Red LEDs high 8.6mm (0.338")
- Parameter setting : Touch switches
- Sensor power supply : 5VDC±10%(<40mA)  
12VDC±10%(<40mA)
- Memory mode : Non-volatile E<sup>2</sup> PROM memory
- Insulation resistance : >100Mohm with 500Vdc (input/power)
- Dielectric strength : 1.0KVac/1 min. (input/power)
- Operating condition : 0~50°C (20 to 90% RH non-condensed)
- Storage condition : 0~70°C (20 to 90% RH non-condensed)
- Outside dimension : 24x48x48.5mm
- Case material : ABS
- 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

