

# MK16 - 18

## Electromechanical Totalizers 3, 4, 6 and 8 Digit

### Features

- UL Listed, CE Certified
- Rugged Case
- Varied Mounting Styles
- 3, 4 and 6 Digits with Manual & Electric Reset
- Many Standard Voltages
- 250 Million Count Life, Minimum
- Many Options Available



### Application:

Production counting, line counting (printers), events, fees, where count must be retained even if power is lost.

### Description:

MK counters combine extra long count life, 250 million minimum, and absolute accuracy even with 10% voltage variation. Varied mounting styles. The spring clip mount gives the user a clean uncluttered panel. Installation is expedited by 0.020" x 0.11" quick push on connectors.

### Count Input:

| Voltage | Count Per Sec. | Time In Millisec On | Time In Millisec Off | Pulse Ratio | Power Consumption |       |
|---------|----------------|---------------------|----------------------|-------------|-------------------|-------|
|         |                |                     |                      |             | Count             | Reset |
| DC      | 10             | 50                  | 50                   | 1:1         | 1.2 W             | 9 W   |
|         | 25             | 24                  | 16                   | 3:2         | 2 W               |       |
|         | 35             | 17                  | 11                   | 3:2         | 5.5 W             |       |
| AC      | 10             | 50                  | 50                   | 1:1         | 3 VA              | 14 VA |
|         | 18             | 27                  | 27                   | 1:1         | 3 VA              |       |

### Specifications:

**Display:** 6 digit with manual or electric reset; 8 Digit without reset

**Digits:** .160" white on black wheels.

### Operating Voltages:

5, 6, 12, 24, 48, 110, 220 VDC;  
12, 24, 48, 110, 220 VAC

**Count Speed:** 10, 25, 35 CPS standard VDC (40 or 50 CPS optional, see OPTIONS); 10, 18 CPS standard VAC only.

**Temperature:** +14°F to +114°F (-10°C to +45°C) standard

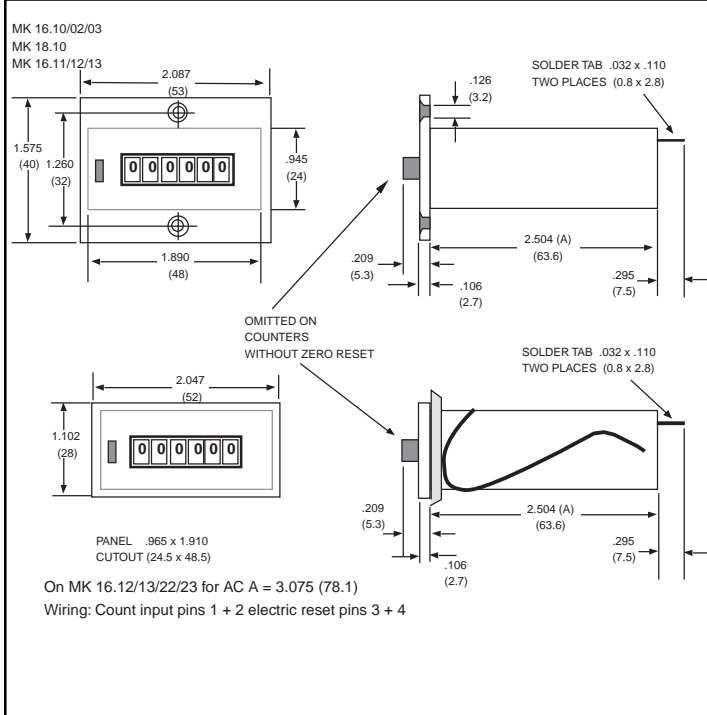
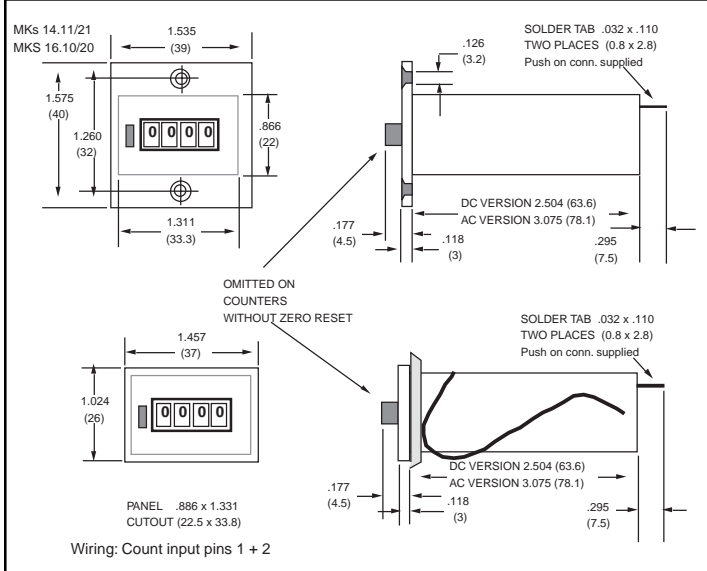
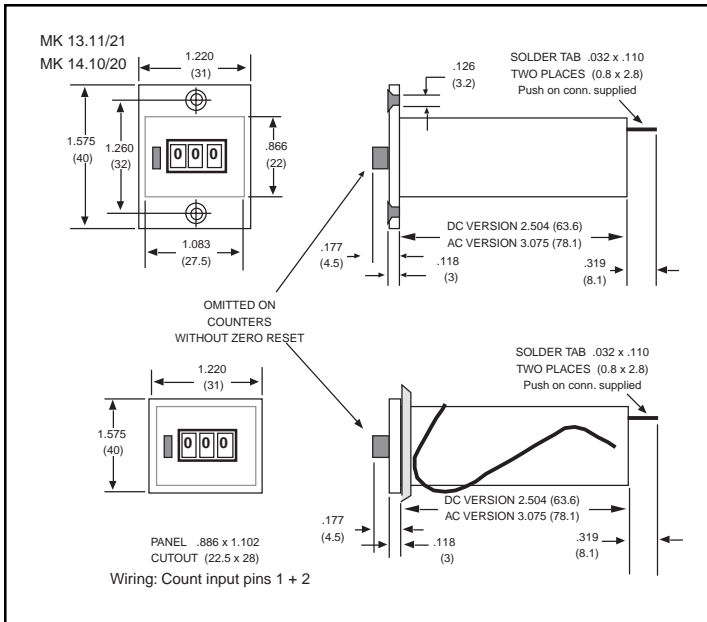
**Housing:** UL Listed, rugged, black, polycarbonate

**Termination:** Terminal pins 0.110" x 0.032 connectors supplied

**Weight:** 3 ounces

**Max. Count Time:** Continuous, 50/50 or 60/40 on/off pulse ratio.

**Approvals:** UL File#: E60420, CE Approved



**How To Order**

**EXAMPLE: MK16 1 2 24 VDC 25 CPS**

**Series** \_\_\_\_\_  
 MK13 = 3 digits with reset (1.09" wide cut out)  
 MKS14 = 4 digits non reset (1.09" wide cut out)  
 MK14 = 4 digits with reset (1.32" wide cut out)  
 MKS16 = 6 digits non reset (1.32" wide cut out)  
 MK16 = 6 digits with/without reset (1.89" wide cut out)  
 MK18 = 8 digits non reset (1.89" wide cut out)

**Mounting** \_\_\_\_\_  
 0 = Rear mount  
 1 = Screw panel  
 2 = Spring clip

**Reset** \_\_\_\_\_  
 0= Non-reset  
 1 = Manual push button  
 2 = Electric  
 3 = Both

**Voltages (specify)** \_\_\_\_\_  
 5, 6, 12, 24, 48, 110 and 220 VDC  
 12, 24, 48, 110 and 220 VAC

**Count Speeds (specify)** \_\_\_\_\_  
 10, 25, 35 CPS DC  
 10, 18 CPS AC

**Available Options (add to end of part number)**  
 V - Manual reset guard (6 digit version)  
 US - Spade key reset (6 digit version)  
 SR - Secret reset (6 digit version)  
 SL - Manual subtract lever (one count per stroke)  
 ML - Magnifying lens  
 M - SPDT microswitch operated by manual or electric reset (MK16.11/M)  
 FL - 6" wire leads  
 LT - Low temperature (-22°F to +115°F)  
 HT - High temperature (+14°F to +140°F)  
 40 or 50 counts per second (DC only)  
 Counts by 2's or 5's  
 TB - Terminal block  
 Z - Mounting stud (rear)  
 Reverse Color Wheels-black on white, red on black  
 Special engraving - faceplate  
 K6 - Flexible silicone cover for #2 mount style  
 A - Base mount ex: AMK 16.01  
 TMK - Low signal counter with optical isolation, 110 AC pulse power from low level (TTL or CMOS 3-30 VDC; EX: TMK 16.21 110 VAC (5 VDC) 25 CPS.  
 K4 - Silicone Cover (mK14.21)  
 K3 - Silicone Cover (mK13.21)

**ENCLOSURES:**  
 N7 - Explosion proof  
 N12 - Oil and dust proof  
 N4 - Weather and water proof  
 Add "R" for external Reset Button  
 (Unit must be ordered with Electric Reset)