

# MICRO-KAL

## Miniature, LCD, Self Powered Electronic Totalizer

### Features

- Self Powered (3.5 years)
- 4 Digits, 0.24" Character Height
- High Contrast LCD Display
- Simple to Install
- Integral De-bounce Circuitry

### Applications:

- Applications where no power is available
- Amusement machines
- Portable equipment
- Dispensing machines
- Luggage lockers
- Copiers and printers
- Ticket machines
- Utility meters

### Description:

The Micro-KAL1 and Micro-KAL2 counters are based around the same miniature 4 digit self-powered totalizer. The Micro-KAL1 features flying leads for remote contact closure input; the Micro-KAL2 has a magnetic reed switch attached. It also operates in conjunction with a small button magnet which can be supplied to special order. The Micro-KAL1 increments the count when the contact is open. The Micro-KAL2 increments the count when the magnet is moved away. They may be panel mounted with the optional bezels supplied.

### Specifications:

**Supply Voltage:** 1.5V button cell type 386 or SR43.

**Expected battery life:** 3-4 years at 68° F (20° C).

**Display:** 4 digit black LCD, .24" (6mm) characters.

**Count range:** 9999 display rollover to 0.

**Count input:** 18 Hz maximum, contact closure. Operates on contact opening.

**Reset:** Reset to zero on insertion of battery.

**Operating temperature:** 32° to 122° F (0° C to +50° C).

**Storage temperature:** 32° to 140° F (0° C to +60° C).

**Material:** Clear poly-carbonate, black ABS bezel.

**Environmental protection:** IP40/DIN40050.

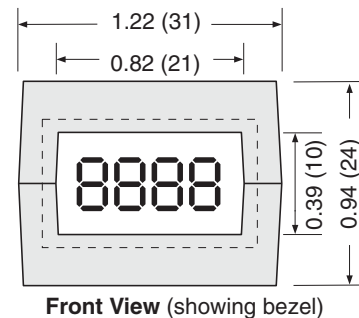
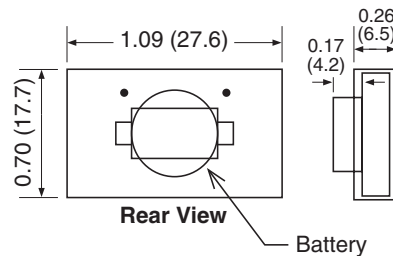
**Weight:** .26 ounces (7.5 grams).

**Lead length:** 9.45" (240mm).

**Approvals:** CE Approved



### Dimensions:



### How To Order:

- Micro-KAL1 ..... Totalizer with flying leads
- Micro-KAL2 ..... Totalizer with reed switch
- M0 Red ..... Magnet for Micro-Kal2