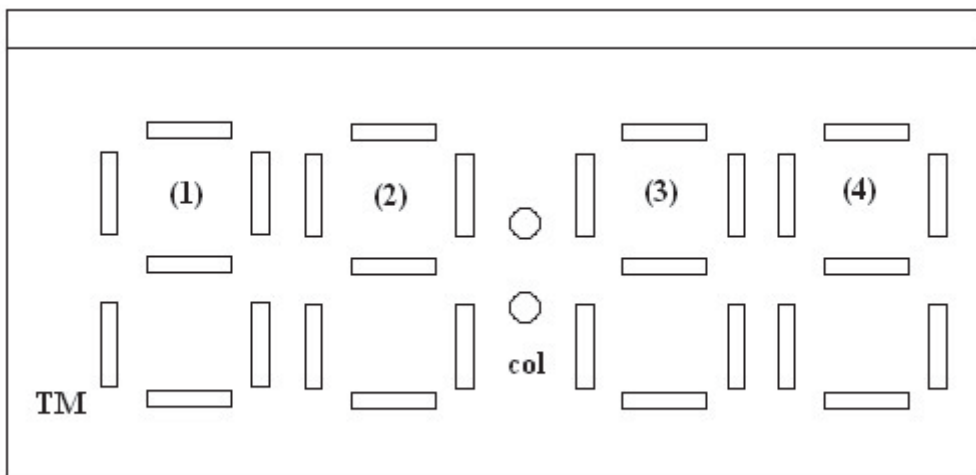




## 1. Features

- 4 digit LCD display with two dots.
- Default Timer for Minute / Second LCD display.
- 1 keys operation.
- 5 bonding option to select 32 default timer value.
- Very low power consumption.
- 32768 Crystal oscillator.
- Single 1.5V operation.
- Direct drive 1/2 bias 1/3 duty LCD(Vop 3.0V).
- Alarm sound: The alarm sound continues for 60 seconds. It generates (4KHz x 4Hz x 1Hz) sound signal at first 60 seconds. The alarm sound will be stopped by pressing any key.
- Key tone : It will generate a sound signal (tone) when start/stop key is pressed.
- Power on : All LCD segments and the alarm sound are turned on for two second.

## LCD Drawing



## Operation Flow

- (a) After the power on, it return to display shows “Default timer value”, “colon” and “TM” always on (not flash).
- (b) Countdown Timer: This timer fixed timing count down. The step is one second. Press “Start/Stop” key to start counting. The “TM” and “colon” are always on. The alarm sound generates when the timer reached zero, press “Start/Stop” key to stop counting even the timer in counting or reached zero, press the key again then return to continues counting.
- (c) Press “Start/Stop” and hold it for 2 second, the timer will reload “Default timer value” and stand-by for start counting.
- (d) Keys: Only “ST/SP” key for start, stop and repeat.