

# HED251

## 4 DIGIT TOTALISING COUNTER WITH RESET FUNCTION AND OPTIONAL BACKLIGHTING



### FEATURES

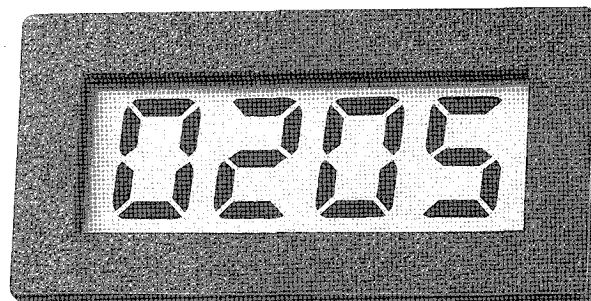
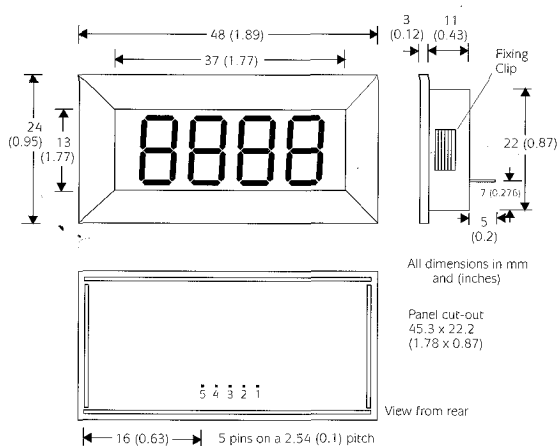
- 4 digit LCD
- Low power CMOS circuitry
- Leading zero blanking
- Optional backlighting (HED251-T)
- Digit height 10mm

The HED25 is a low cost 4 digit LCD counter suitable for operation from a standard 1.5v alkaline battery. An AAA battery will power the counter for 7 years.

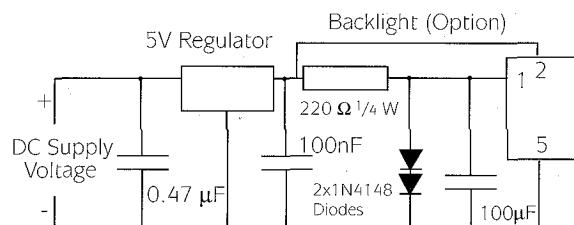
### SPECIFICATION

Display	4 digit, 10mm high contrast LCD characters
Current consumption	Counting and standby 3uA, backlight 80mA
Supply Voltage (pin 1)	1.3 - 1.7VDC
Backlight (pin 2)	5VDC
Count Input (pin 3)	Contact closure/open collector input, 10Hz Max, negative edge-triggered, 0.7V threshold 1.8V max, 25mS min. pulse length.
Reset Input (pin 4)	Contact closure/open collector, negative edge triggered, 0.7V threshold 1.8V max, 15mS min. pulse length.
Common (pin 5)	Supply OV and signal common.
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +70°C

**Note:** This product is ideally suited to battery powered applications. Should the product be used in a circuit where an external power source is used, then the complete system will require separate approval to meet the CE standards.

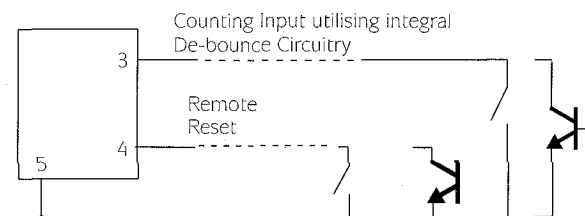


### APPLICATION CIRCUIT



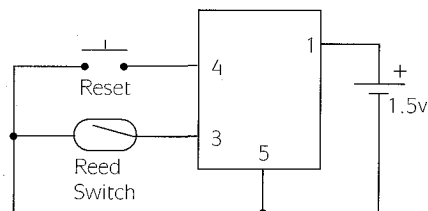
For a 5v supply omit the regulator.

For a supply in the range 8 - 30v the regulator accommodates the different current requirements for both reflective and backlight models. Mount the 100nF (transient suppression) capacitor as close to the unit as possible.



The HED251 can be used in conjunction with a reed switch and an example is when counting the number of measures of spirits dispensed. The movement of the optic arm causes a magnet to move into the proximity of the reed switch.

The Reset facility can be omitted to enhance security.



### ORDERING INFORMATION

HED251-R	24x48mm 4 digit counter.
HED251-T	24x48mm 4 digit counter with backlight.