

# HED261

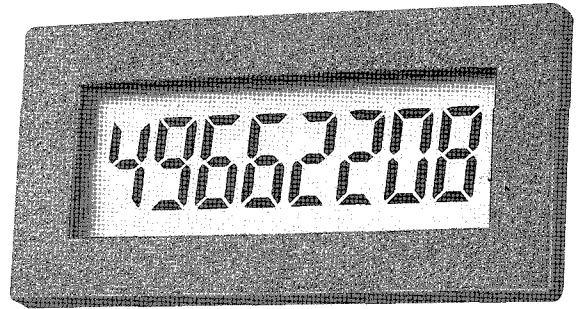
## 8 DIGIT COUNTER WITH HIGH/LOW SPEED COUNT INPUTS AND OPTIONAL BACKLIGHTING



### FEATURES

- 8 digit LCD
- Low power CMOS circuitry (<math><10 \mu A</math>)
- Leading zero blanking
- Reset function
- Optional backlighting (HED261-T)
- Digit height 8mm

8 digit totalising counter suitable for panel mounting or PCB mounting with high speed (10 kHz) count input, low speed (30 kHz) count input and reset.

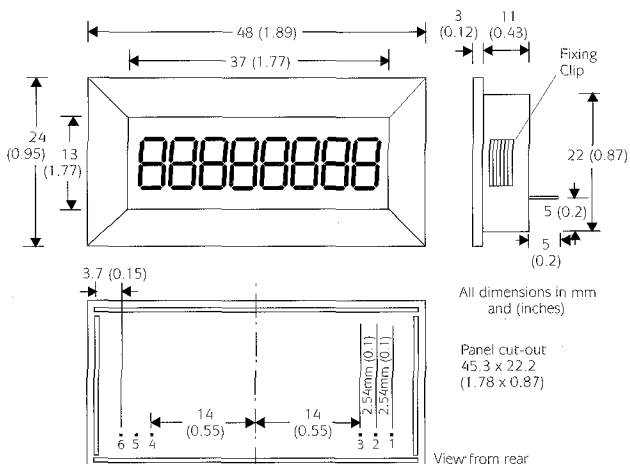


### SPECIFICATION

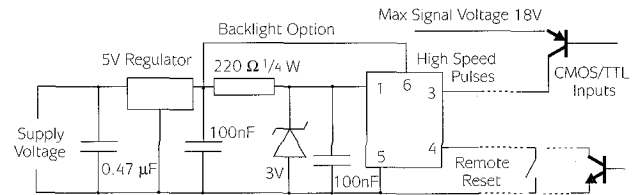
<b>Display</b>	8 digit, 8mm high contrast LCD characters
<b>Current consumption (Typical)</b>	Counting $6 \mu A$ , standby $3 \mu A$ , backlight 80mA
<b>Operating Temperature</b>	$0^{\circ}C$ to $+50^{\circ}C$
<b>Storage Temperature</b>	$-20^{\circ}C$ to $+70^{\circ}C$
<b>Supply Voltage (pin 1)</b>	2.7 – 3.3VDC
<b>Low Speed Count Input (pin 2)</b>	Contact closure/open collector input, 30Hz max, negative edge triggered, 0.7V threshold 1 8V max, 25mS min. pulse length
<b>Electronic Count Input (pin 3)</b>	10kHz max, positive edge triggered, 0.7V threshold, 18V max, $50 \mu S$ min. pulse length, TTL/CMOS compatible.
<b>Reset Input (pin 4)</b>	Contact closure/open collector, negative edge triggered, 0.7V threshold 18V max, 15mS min. pulse length
<b>Common (pin 5)</b>	Supply 0V and signal common.
<b>Backlight (pin 6)</b>	Connect to 5V

**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.

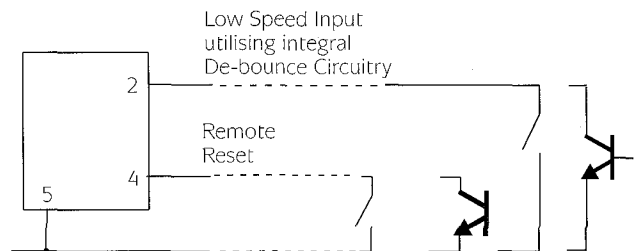
### DIMENSIONS



### 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 the reflective and backlight models. Mount the 100nF (transient suppression) capacitor as close to the unit as possible.



Mount the 100nF (transient suppression) capacitor as close to the unit as possible.  
The low speed input (pin 2) should always be used for contact closure because this is the only input which contains de-bounce circuitry.

### ORDERING INFORMATION

- HED261-R 24x48mm 8 digit counter.
- HED261-T 24x48mm 8 digit counter with backlight.