

## 756-2 DIGITAL CLOCK INSTALLATION NOTES

This clock is designed for operation from a 12 volt DC source only (10.6 to 16v)

Current draw is approximately 50mA (.05 Amps)

Allowable ambient temperature range -20 to + 50° C

The clock has a battery for time memory. To replace, remove the 4 screws on the rear and carefully separate the case halves. The battery will be seen in the rear half. Slide the battery from its holder (it can only be removed from one side of the holder), and replace with a CR1220 Lithium Cell. **Observe Polarity when fitting: + side must be up**

Two power cables are supplied. Only one can be used at any time.

One end of either supplied lead plugs into the bottom socket marked DC on the rear of the clock.

One lead is designed for cigar socket use, the other for those installations where it is desired to permanently wire the clock into the 12v electrical system of a vehicle, vessel etc.

**Observe the correct polarity if using the permanent wired lead: WHITE is to Positive +**

The wire is of light gauge. Ensure it is properly connected, well supported and provided with proper strain relief.

The cigar plug requires the vehicle socket to have Positive + at the tip connection. All negative chassis vehicles are wired this way, but a vessel may not be. If in doubt check with a voltmeter. Warranty is void if incorrectly wired.

As usual best practise, please ensure all + wiring is fused as near as possible to the voltage source and run in a workmanlike manner. All connections must be secure, low resistance and protected. Use a fuse rating of 1/2 an Amp

The temperature lead/sensor plugs into the top socket on the rear, marked with a thermometer symbol. It is not necessary for the correct operation of the clock: if it is absent the temperature display will show a line of dashes.

The mounting pedestal swivels vertically, whilst the foot can rotate, or be removed. The foot has sticky tape already attached, but for a more robust mounting it may be advantageous to drill 2 holes through the foot for screw fittings.

### **OPERATION**

When carrying out setting procedures the clock will exit from the setting mode if no button is pressed for 10 seconds

#### **Setting the time format to 12 or 24 Hour.**

From the normal time display, press *UP* once. Further presses will toggle the display 12 or 24 Hour alternately

**REMEMBER:** 24 hour mode will show as a different display only if the time is after 1pm (1300 hrs)

When in 12 Hour display mode a PM indicator is illuminated for all periods after 12.00 Noon

In all modes the centre colons flash at 1 second intervals

#### **Setting the Time:**

Press *SET* four times. The hours display will flash.

Press *UP* or *DOWN* to adjust to the desired setting. The hours will auto increase if either of the buttons is held down

Press *SET* once

The Minutes display will flash.

Press *UP* or *DOWN* to adjust to the desired setting. The min. will auto increase if either of the buttons is held down

Press *SET* once. The time is now set.

#### **Twin Alarms**

The clock contains two completely separate alarm functions, which can have their activation times set independently. Individually they could be used to alert to two required waking periods or events throughout a 24 hour day.

Together they could be used to alert to the start of a time period or procedure, and then to signify the finish of that time period or procedure

#### **Setting the Alarms**

Press *ALARM* once, the display will read AL01

If it is desired to set Alarm 2 rather than Alarm 1, press *UP* once. This will toggle between Alarms 1 and 2

Press *SET* once. The hours display will flash

Press *UP* or *DOWN* to adjust to the desired setting. The hours will auto increase if either of the buttons is held down

Press *SET* once. The minutes display will flash.

Press *UP* or *DOWN* to adjust to the desired setting. The min. will auto increase if either of the buttons is held down

Press *SET* once. The display will show either ALon (Alarm on) or AL---- (Alarm off)

Press *UP* once if necessary to toggle the display to read ALon (each press will alternate alarm between On and Off)

Press *SET*. The alarm is now on, and AL1 or AL2 will be displayed on the right hand side of the display

### **Cancelling an alarm:**

To completely cancel or turn off an alarm:

Follow the procedure above, but toggle the display to show AL ---, then press *SET*

To cancel the alarm once it is sounding:

When the alarm time is reached, the buzzer will sound for 30 seconds

To cancel the alarm, press *UP* or *ALARM*

To activate snooze mode, press *DOWN*

In snooze mode the alarm will sound again in 4 minutes, for a period of 30 seconds, for one time only

### **Automatic temperature display:**

Move the *SLIDER SWITCH* on the top of the clock to ON

Every 20 seconds the display will show temperature for 5 seconds, then revert to time display.

This cycle will repeat until the *SLIDER SWITCH* is returned to OFF

### **Changing the temperature display units:**

Put the clock into automatic temperature display mode, as outlined above

When temperature is being displayed, quickly press *UP*. The display will toggle between °C and °F with each press

When the *SLIDER SWITCH* is turned off, the selected unit will be retained for when manually viewing temperature

### **To manually display temperature:**

From the Clock time display, press *SET* once

To return to the time display, press *UP* once

### **To dim the display:**

From the clock time display, press *SET* twice

Press *UP* once. Time is again displayed, and the display is dimmed

To brighten the display again, repeat the above steps

### **Automatic display dimming:**

An inherent feature in the design of this clock is automatic display dimming.

At 10.00 PM (2200 Hours) if the display has been set manually to 'Bright', it will automatically reset to 'Dim'

At 6.00 AM (0600 Hours) it will automatically revert to 'Bright'

It is not possible to permanently cancel this operation, but it can be manually over-ridden each time it occurs

If the display has automatically dimmed at 10.00pm, press *SET* twice, then *UP* once.

The display will again be set to 'Bright'

## **WARRANTY**

**In the event of malfunction or failure Cruising Electronics will, at their sole discretion, either repair or replace the unit, providing that:**

Malfunction has occurred within 12 months from the date of purchase

Any or all of the listed ratings of the unit have not been exceeded

The unit has been properly installed, with regard to correctly rated cables, fuses, switches and any other ancillary items which could reasonably be regarded as necessary to effect a safe and workman-like installation.

The unit has not been exposed to any fluid, corrosive or hazardous substance, excessive airborne particles

The unit is returned freight paid to Cruising Electronics or their nominated agent

Proof of purchase is provided

**Please note that under no circumstances can Cruising Electronics be held responsible or accept liability for any consequential damages or loss whatsoever, incurred as a result of installing or operating this clock.**

**CRUISING ELECTRONICS  
67 WELLINGTON STREET  
RUSSELL 0202  
NEW ZEALAND  
TELEPHONE 027 2552852 (+64 27 2552852)  
don@cruisingelectronics.com  
www.cruisingelectronics.com**