

## LQ1220 DIGITAL CLOCK INSTALLATION NOTES

THANK YOU FOR PURCHASING THIS DIGITAL CLOCK FROM CRUISING ELECTRONICS

This clock is designed for operation from a 12 volt DC source only (9 to 16v)

Allowable ambient temperature range -20 to + 50° C

The display is quite bright, good for daytime use. Some may find it too bright for close bedside use at night.

If the Green wire is connected to Positive the display will be dimmed a little. This could be connected through a switch to provide for less bright night time viewing, or permanently if the situation warrants it.

Otherwise just leave the Green wire unconnected.

There are two + power wires, Orange and Red, and Negative is black. If you connect Red and Orange together, then to the 12 volt source (via a fuse, and switch), the clock will turn off and lose it's time setting when the switch is opened or the power removed from the clock.

If you connect the RED wire separately to a permanent 12 volt source, and the ORANGE wire via a switch, the clock display will go off when you open the switch, but the clock will retain it's time memory because of the permanent voltage on the RED wire.

Whilst this seems a good idea, just bear in mind the memory function will draw a very small amount of power from your batteries, about 10mA or 100<sup>th</sup> of an amp.

If laying the camper/boat up for a long period, say over winter, we recommend disconnecting the clock.

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.

In-line fuses would be fine, use a rating of ½ or 1 amp.

The case of the unit will get warm during normal use.

The clock is designed to allow for a multitude of installation possibilities.

Flush mounting in a bulkhead can be achieved, cut a 66mm x 46 hole (2.59" x 1.8")

The rear hinged and drilled mount also pivots 360 degrees, providing a large amount of versatility

### OPERATION

This is a 12 hour clock.

#### **Setting the time**

>> Press to set the Hours. Use a ballpoint pen or similar

> Press to set the Minutes. Use a ballpoint pen or similar

### 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 workmanlike installation.

Any factory seals must be intact.

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**