



---

HIGH SCHOOL SERIES  
SIX CHANNEL DIGITAL TIME CLOCK

***JE67CL***

---

# Users Manual

WARNING  
TO PREVENT FIRE OR SHOCK HAZARD,  
DO NOT EXPOSE THIS APPLIANCE TO  
RAIN OR MOISTURE



# Table of Contents

---

<b>Safety Precautions</b>	<b>5</b>
<b>Main Screen</b>	<b>6</b>
<b>Basic Concepts</b>	<b>7</b>
<b>Operating Menus</b>	
<b>RIing the bells (Green)</b>	<b>9</b>
<b>Changing the time (Green)</b>	<b>10</b>
<b>Viewing/Deleting program times (Blue)</b>	<b>11</b>
<b>Changing the bank in use (Blue)</b>	<b>12</b>
<b>Adding a program time (Yellow)</b>	<b>13</b>
<b>Memory remaining (Purple)</b>	<b>17</b>
<b>Editing the scroll rate (Purple)</b>	<b>18</b>
<b>Changing the code (Pink)</b>	<b>19</b>
<b>Entering the code (Pink)</b>	<b>20</b>
<b>Changing 12/24 hour modes (Green)</b>	<b>21</b>
<b>Changing daylight savings mode (Green)</b>	<b>22</b>
<b>Editing the ring time (Blue)</b>	<b>23</b>
<b>Information screen (Blue)</b>	<b>24</b>

## **Customising the time clock**

Changing the school name 25

Changing the bank names 26

## **Maintenance and Warranty 27**

### **Installation 28**

Disassembly 28

Mounting 29

Connections 30

Power up 31

## **Specifications 32**

# Safety Precautions

---

## IMPORTANT!

FOR YOUR PROTECTION, PLEASE READ THE FOLLOWING:



The symbols shown above are internationally accepted symbols that warn of potential hazards with electrical products. The lightning flash with arrowhead symbol within an equilateral triangle warns that there are hazardous voltages and the risk of electric shock within the unit. The exclamation point within an equilateral triangle alerts the user to refer to important information in the user manual.

**THESE SYMBOLS ARE A WARNING THAT THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS EQUIPMENT AND THAT THERE ARE HAZARDOUS VOLTAGES PRESENT.**

**DO NOT OPEN THIS EQUIPMENT YOURSELF. REFER ALL SERVICING TO QUALIFIED PERSONNEL. DO NOT MAKE ANY INTERNAL ADJUSTMENTS OR ADDITIONS TO THIS EQUIPMENT AT ANY TIME. DO NOT TAMPER WITH THE INTERNAL ELECTRONICS.**

**FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE A SHOCK HAZARD AND MAY VOID WARRANTY SERVICE TO THIS EQUIPMENT.**

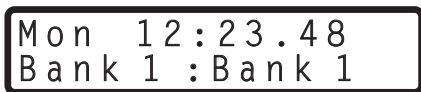
This equipment must be grounded for safety reasons.

This equipment should be located away from heat sources.

Do not expose this equipment to rain or moisture.

# Main Screen

---

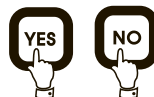


Above is the main default screen.

The top line of the display shows current time and day of the week.

The bottom line displays which Bank is in use.

If the display back lighting is off, pressing YES or No will turn it back on.



Press and hold the 0 key for 5 seconds will restart the time clock as if a power fail had occurred. (See Power up section page 32).



Use the RIGHT and LEFT arrows to step through the various menu screens.



Pressing the NO key will return you to the main screen.



# Basic Concepts

---

The JE61CL has been designed to be easy to learn and use.

From the main screen use the RIGHT and LEFT arrow keys to find the menu you are after.



The Bottom line of the display on most menus will tell you which keys are appropriate for this menu.

If you are Editing or Changing a setting the YES key will save the changes.

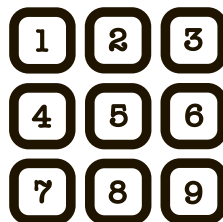


The NO key will always quit back to the main screen without saving the changes.



There are also quick keys to get to the menu you require.

- 1) Ring the bells, 2) Change the time,
- 3) Add program times, View/Change Banks,
- 4) Edit the scroll rate, 5) Change the code,
- 6) Change 12/24 hour modes,
- 7) Change daylight savings mode, 8) Edit the ring time,
- 9) Information screen.



The JE61CL has six program banks of which only one can be active at any time, they are used to store different events that may occur in your school.

- e.g. Bank 1 Normal day,
- Bank 2 Wet day,
- Bank 3 Assembly day,
- Bank 4 Exam week,
- e.t.c.

Times to ring the bells can be programmed into any of the banks.

The JE61CL is a Weekly clock and can only store program times on a weekly basis.

**This page has been deliberately left blank.**

# Ring the Bells

---

From the main screen press the 1 key.



Ring Bells ?  
Press YES to rin

Pressing the YES key will now ring the bells.

The length of the ring is the same as the normal bell ring time.



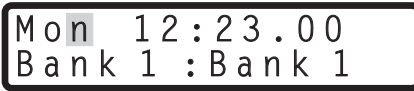
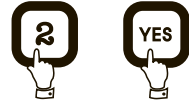
Pressing the NO key will return you to the main screen.



# Changing the Time

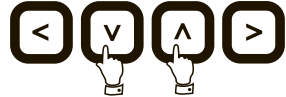
---

From the main screen, Pressing the 2 key followed by the YES key will allow you to



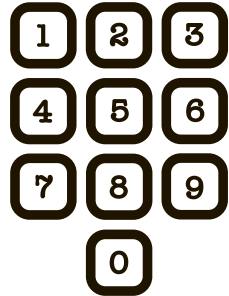
The cursor will flash on either weekday, hours or minutes indicating it can be changed.

Use the UP and DOWN arrow keys to change that item.



The numeric keys can also be used to set the time and weekdays.

- 1) Mon, 2) Tue, 3) Wed, 4) Thu,
- 5) Fri, 6) Sat, 7) Sun.



Use the RIGHT and LEFT arrow keys to move the cursor from weekdays to hours to minutes and back to weekdays.



Pressing YES will save the new time, reset the seconds and return you back to the main screen.



Pressing NO will return you to the main screen and WILL NOT save the changes to the time.



# Viewing/Deleting program times

---

From the main screen, Pressing the 3 key followed by the corresponding bank number will view that memory bank.

e.g. 3 then 4 will view Bank 4



The left side of the screen shows the days of the week for the program time being viewed, the "^" symbol under the days of the week indicates that day is valid for this viewed program time. The top right hand side of the screen shows the program time. The bottom right displays the bank associated with this program time.

Pressing the UP arrow key will show the previous program time.



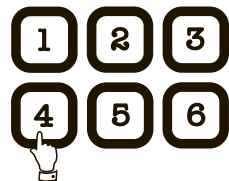
Pressing the DOWN arrow key will show the next program time.



Pressing the 0 key will DELETE the current viewed program time.



Pressing keys 1 - 6 will view the first program time for that bank. In this example the first time in bank four would be shown.



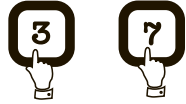
Pressing the NO key will return you to the main screen.



# Changing the Bank in use

---

From the main screen, Pressing the 3 key followed by the 7 key will allow you to change the current Bank in use.

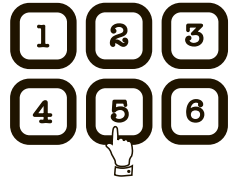


Bank 1 : Bank 1  
0 None, 1-6 Sele

Pressing the zero key will select no banks. This stops the JE61CL from ringing any bell times.



Pressing keys 1-6 will select the corresponding bank. In this example bank five would be selected.



Pressing the 8 key will allow you to edit the banks name. See page 26 for details.



Pressing YES will save the newly selected bank number and return you to the main screen.



Pressing NO will return you to the main screen without saving the newly selected bank number.



# Adding a Program Time

---

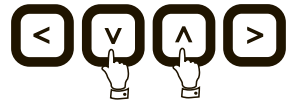
From the main screen, Pressing the 3 key followed by the 9 key will allow you to add a new program time.



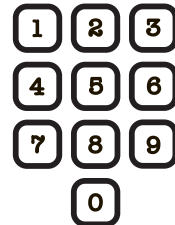
Time: -12:00.  
Use arrows to ch

The top line starts with the current time, the cursor will flash over the hours indicating that they can be changed.

Pressing the UP or DOWN arrow keys will change the hours / minutes.



Using the numeric keypad will also change the hours / minutes.



Pressing the RIGHT arrow key will select the next item to edit in the following order :-  
Hours, Minutes, Days of the week and Banks.



Pressing the LEFT arrow key will select the previous item to edit.



Pressing the NO key will return you to the main screen without saving the new program time.



# Adding a Program Time

---

## Continued

After editing the minutes, use the RIGHT arrow key to edit the days of the week.

Mon, Tue, Wed  
0 None, 1-7 Togg

The top line flashes the days of the week for the new program time.

Pressing the RIGHT arrow key will select the next item to edit in the following order :-  
Days of the week, Banks, Hours then Minutes.



Pressing the LEFT arrow key will select the previous item to edit.



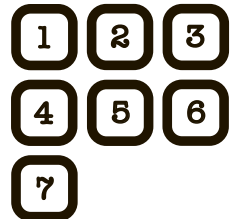
The 0 key will select no days of the week.

NOTE: New program times must have a day of week set before saving.



Pressing the keys 1 to 7 will toggle on and off the relevant days of the week.

1=Mon, 2=Tue, 3=Wed, 4=Thu, 5=Fri,  
6=Sat, 7=Sun.



Pressing the 8 key will select weekdays, while pressing the 9 key will select all days of the week.



Pressing the NO key will return you to the main screen



# Adding a Program Time

---

## Continued

After editing the days of the week press the RIGHT arrow key to edit the Banks.

```
Bank: 1, 2  
0 None, 1-6 Togg
```

The top line displays the Banks for the new program time.

Pressing the RIGHT arrow key will select the next item to edit in the following order :-  
Banks, Hours, Minutes, Days of the week.



Pressing the LEFT arrow key will select the previous item to edit.



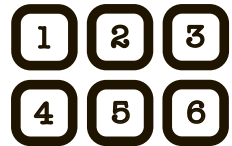
The 0 key will select no Banks.

NOTE: New program times must have a Bank set before saving.



Pressing the keys 1 to 6 will toggle on and off the relevant Banks.

1=Bank 1, 2=Bank 2, 3=Bank 3, 4=Bank 4, 5=Bank 5, 6=Bank 6.



Pressing the 9 key will select all Banks.



Pressing the YES key will save the new program time.



Pressing the NO key will return you to the main screen without saving the new program time.



**This page has been deliberately left blank.**

# Memory Remaining

---

From the main screen, Pressing the 3 key followed by the 8 key will display the Memory total and Memory remaining.



```
Mem total : 315
Mem remain: 315
```

The top line shows the total program memory locations.

The bottom line shows the number of remaining program memory locations.

Pressing any key will return you to the main menu.

# Editing the Scroll rate

---

From the main screen, Pressing the 4 key will allow you to edit the screen scroll rate.



```
Scroll rate:0.2S
Keys 1-3 set the
```

Keys 1,2 or 3 will select a new scroll rate.  
1=100mS, 2=200mS, 3=300mS.  
Default scroll rate is 200mS.



Pressing NO will take you to the main screen.



# Changing the code

---

From the main screen, Pressing the 5 key followed by the YES key will allow you to change the security code.



If the current code is not the default code "0000" then the clock will ask you to enter the current code first (page 20).

Setting the code back to the default will allow normal access to all menus.

New code : █  
Enter new code.

The cursor will flash to indicate that you can enter the new code.

Enter the new 4 digit code using the keys 0 to 9.

New code : █  
Re-enter code.

The clock will now ask you to re-enter the 4 digit code.

If the two codes match the code will be changed to this new code.

Pressing YES or NO will take you to the main screen without changing the code.



# Entering the code

---

This menu only appears if a security code has been entered.

If the access code is set to the default code "0000" then this screen will not come up.



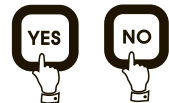
Code:   
Enter code.

The cursor will flash to indicate that you can enter the code.

Enter the 4 digit code now.

If you enter the wrong code access will be denied.

Pressing YES or NO will return you to the main



# Changing 12/24 hour modes

---

From the main screen, Pressing the 6 key will allow you to change between 12 and 24 hour modes.



In 24 Hour mode.  
Press YES to cha

Pressing YES will toggle between 24 hour and 12 hour modes.



Pressing NO will return you to the main screen.



# Changing Daylight savings mode

---

From the main screen, Pressing the 7 key will allow you to turn on and off Daylight savings mode.



Pressing YES will turn on and off Daylight savings mode.



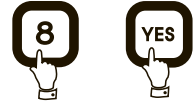
Pressing NO will return you to the main screen.



# Editing the ring time

---

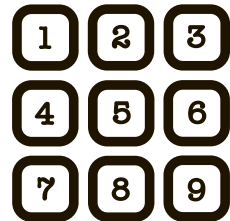
From the main screen, Pressing the 8 key followed by the YES key will allow you to edit the current bell ring time.



Ring time: 5 Sec.  
Use keys 1-9, YE

The cursor will flash on the ring time indicating it can be changed.

Use the keys 1 to 9 to set the new ring time. In pulse bell ringing mode the ring time is the number of pulses the bells will ring for.



Pressing 0 will toggle between continuous bell ringing and pulse bell ringing modes, there are three pulse ringing modes.

- 1) On for 0.4 Seconds, Off for 0.4 Seconds.
- 2) On for 0.8 Seconds, Off for 0.8 Seconds.
- 3) On for 1.2 Seconds, Off for 1.2 Seconds



Pressing YES will save the new bell ring time and return you back to the main screen.



Pressing NO will return you to the main screen without saving the changes to the bell ring time.



# Information screen

---

From the main screen, Pressing the 9 key will display the name of your School and the serial number of the time clock.



```
School name here.  
Serial No #0220.
```

The top line shows the name of the school.  
See page 25 to change the school name.

The second line displays the serial number.

Pressing any key will return you to the main screen.

# Changing the school name

---

After power up and when the following screen appears press the YES key to change the school name.

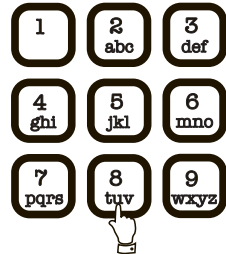
School name here  
Serial No #0220



Use the UP and Down arrow keys to change the characters.



The numeric keys can be used to select letters like on a telephone e.g.  
Pressing 8 will display 8 but pressing 8 again will display the letter "t" then "u" and "v".



The 0 key will convert lower case characters into upper case characters when first pressed, pressing 0 again will display 0.



Use the RIGHT and LEFT arrow keys to move the cursor.



Pressing YES will save the new school name.



The NO key will quit this menu without saving the new school name.



# Changing the bank names

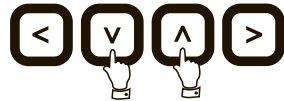
---

While changing the bank in use (page 12), select the bank you wish to edit and press the 8 key.



Bank 1 : Bank 1  
Use arrows, YES

Use the UP and Down arrow keys to change the characters.



The numeric keys can be used to select letters like on a telephone e.g.

Pressing 8 will display 8 but pressing 8 again will display the letter "t" then "u" and "v".



The 0 key will convert lower case characters into upper case characters when first pressed, pressing 0 again will display 0.



Use the RIGHT and LEFT arrow keys to move the cursor.



Pressing YES will save the new bank name and return you to the change bank in use menu.



The NO key will return you to the change bank in use menu without saving the changes to the bank name.



# Maintenance and Warranty

---

## CAUTION

The full AC line voltage is present at several points inside the chassis. To reduce the risk of electric shock, do not perform any servicing unless you are qualified to do so. Refer all servicing to qualified service personnel.

## MAINTENANCE

This JENKINSON ELECTRONICS product is all solid state, solidly constructed and uses the finest components. As such it will provide years of trouble free use with normal care. All parts are conservatively rated for their application.

There are no User Serviceable parts inside.  
Refer all servicing to Qualified Service Personnel.

## WARRANTY

This product is warranted by Jenkinson Electronics to the original purchaser against defects in material and workmanship for a period of two years from date of purchase.

We require that you retain a copy of your dated sales receipt for proof of warranty status.

Jenkinson Electronics will, without charge, repair or replace, at its option, defective product or component parts upon prepaid delivery to the factory.

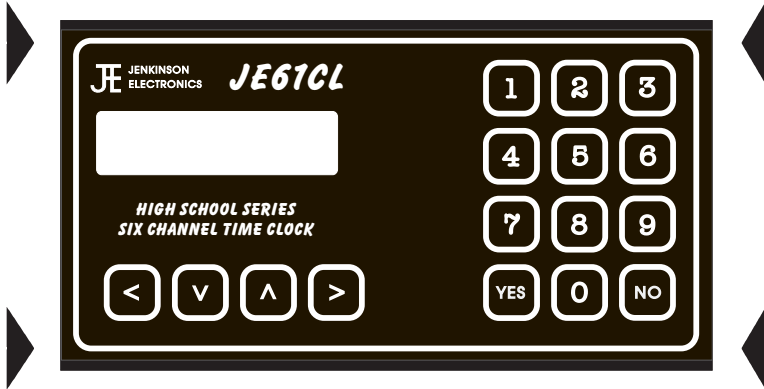
**EXCLUSIONS:** This warranty does not apply in the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs. This warranty is void if the serial number is altered, defaced, or removed.

Jenkinson Electronics reserves the right to make changes in design or make additions to or improvements upon this product without any obligation to install the same on products previously manufactured.

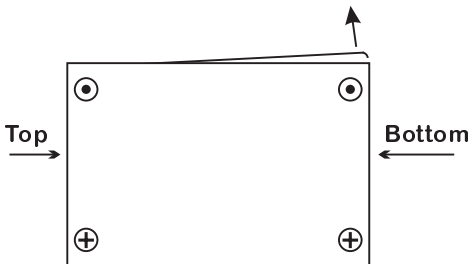
# Disassembly

---

- 1) Remove the 2 screws closest to the front on each side.



- 2) Press in the top and bottom, while pulling the bottom of the front towards you.



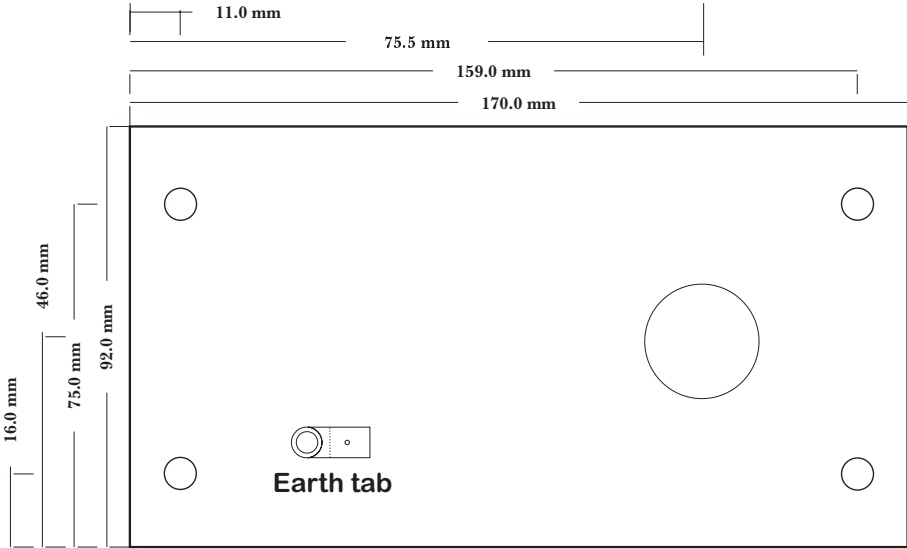
- 3) The front should now come away exposing the internal P.C.B.

# Mounting

---

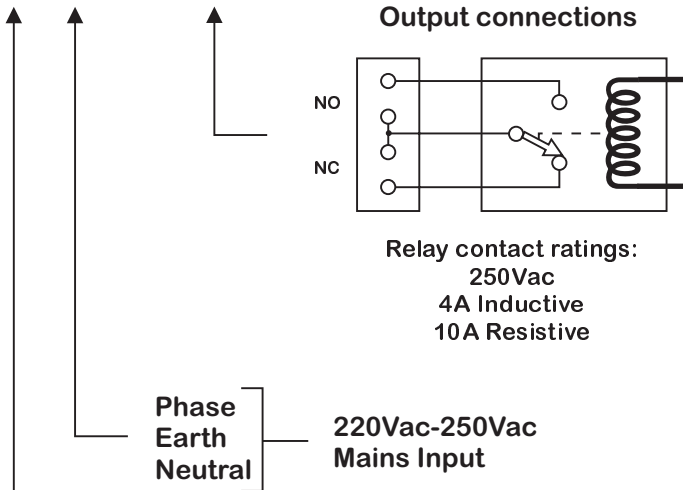
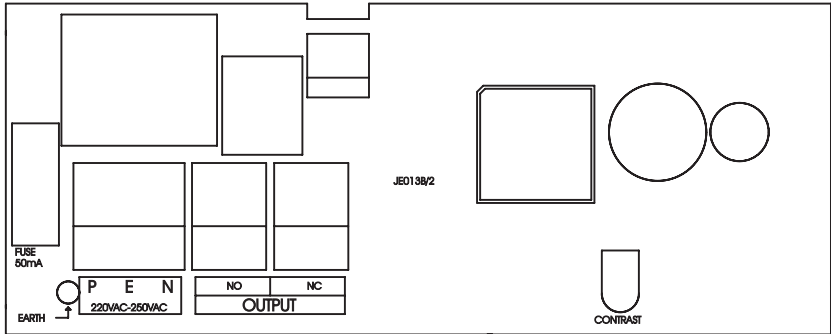
The JE61CL is designed to be wall mounted with all cables entering the unit from inside the wall cavity.

Four 6.5mm holes are provided for wall mounting and one 25mm hole for cable entry.



# Connections

The mains power and outputs connections are located on the back of the P.C.B.



### CHASSIS EARTH CONNECTION

**NOTE:** This point connects the chassis to earth, and is used for electrical safety, do not leave disconnected under any circumstances

# Power up

---

On power up the following 5 screens are shown in succession.

```
** Time Clock **  
** for Schools **
```

```
Model JE61CL  
Software Ver 3.0
```

```
Designed by :-  
JENKINSON ELECTR
```

```
School name here  
Serial No #0301
```

```
To Reset Clock  
Press YES NOW!
```

Pressing YES on the last screen will erase the clocks memory including setting the security access code to "0000".

# Specifications

---

## PERFORMANCE

- + or - 4 Minutes per year ( -40° C to +85° C )
- + or - 1 Minute per year ( 0° C to 40° C )

## FEATURES

Memory	315 Program times
Power saving mode	Yes, Automatically
Battery backup	>15 years
Display backlighting	Yes
Display scroll rate	100mS, 200mS, 300mS
12/24 hour modes	24 Hour or 12 Hour modes
Daylight savings mode	Yes
Security code	Yes
Ring time	1 to 9 seconds in 1 second intervals, plus three pulse ring modes, 1-9 pulses

## OUTPUT

SPDT Relay Contacts NC & NO, 10A Resistive, 4A Inductive

## AC POWER

New Zealand	230 Vac 1VA
Australia	240 Vac 1VA
U.S.A.	110 Vac 1VA

## PHYSICAL

176mm (L) x 92mm (W) x 65mm





---

PO Box 36604, Northcote, AUCKLAND.  
Toll free Ph 0508 THE TIME or 0508 843 846  
Fax toll free 0508 843 847  
Email: [info@jenkinson-electronics.co.nz](mailto:info@jenkinson-electronics.co.nz)  
Web: [www.jenkinson-electronics.co.nz](http://www.jenkinson-electronics.co.nz)

---