



Tech20070827-1-1

## Load bank testing multiple UPS batteries with Cellwatch

Cellwatch is designed to be a robust 24/7 battery monitoring system and should be left alone for it to perform those functions. However if the mode of operation of your Cellwatch system demands frequent review of data during a load bank test of multiple batteries, then the user is advised to view the data over a network on a second PC using the free Cellwatch 'Demo' program. This can be simply set up with a laptop computer and a cross over cable. See page 60 of the System Installation and User Manual.

### Status indicator.

In a time critical situation like a load bank test it is worth being aware of the function of the Cellwatch logo in the top right hand corner of the screen. This icon shows the state of operation of the software. If the icon is present and the search light is scanning, then the software is scanning your battery normally. If the icon is present but not scanning, the software is paused. If the icon is missing, the Cellwatch program has been deliberately stopped.



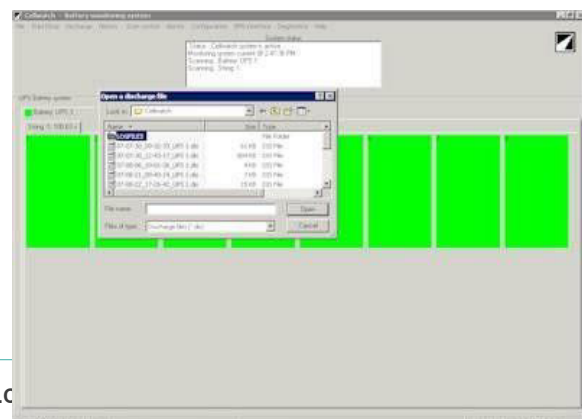
### Viewing data

Normal viewing operations such as:-

- Looking at Discharge data
- Looking at History file data
- Reviewing and or changing alarm levels
- Reviewing or changing scan settings
- Looking at the Configuration grid

..... have no effect at all on Cellwatch. Cellwatch continues to monitor the battery systems even if these screens are left open. However, they should be closed after use to ensure that alarm indicators can be seen on the screen. Also note that history data is not updated in real time on the screen if history files are left open. You must close the history file and open it again to see new history data.

Whenever the following Windows input actions take place, Cellwatch is paused until the action is completed and Cellwatch then starts monitoring again at completion:-

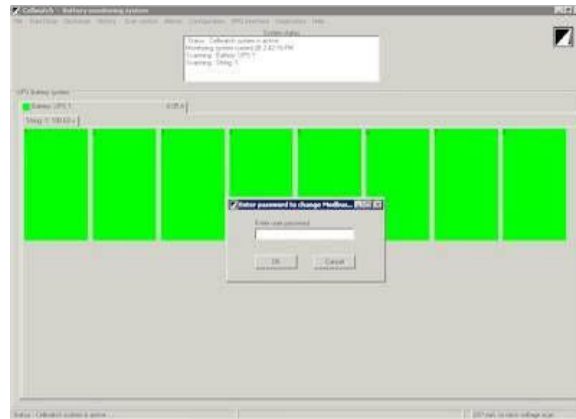




- Select a View History or Discharge file to open a file. Cellwatch will pause if the window is left looking like this:-

(NOTE: The icon pauses movement to indicate the software has been paused)

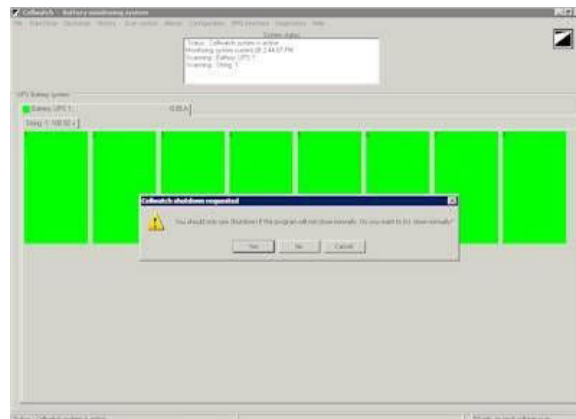
- Perform any function that requires a password such as change the Modbus status, the web browser status or select BMS port for the simple serial interface. Cellwatch will pause while ever the window is left with the password box open on the screen. Furthermore in some circumstances a password error can appear if this password operation is correctly completed. If the error box is dismissed (by clicking “OK”) Cellwatch continues to be paused.



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- Use the “Shutdown Cellwatch” command without completing the shutdown request by pressing a button. Cellwatch will pause if the window is left looking like this:-



Under normal circumstances these boxes are only open for a few seconds, so Cellwatch’s

behavior is not affected. During a rolling load test however, those few seconds might be critical. Do not leave Cellwatch with any of these boxes open on the screen for more than a few seconds or better still review data after the tests are complete or on a second PC running the demo software.

Remember that as an indicator that the program is paused, the Cellwatch icon in the top right hand corner stops scanning.