

EVt Quick Reference Guide LCD Layout

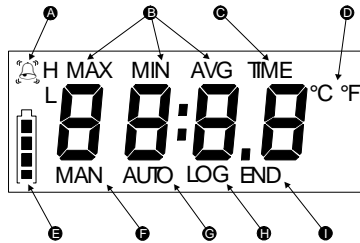


Fig 1 – LCD Layout

- A. Alarm Indication
- B. Max, Min, Ave Recorded temperature
- C. Indicate current Time
- D. Indicates current scale
- E. Indicates battery status
- F. Indicates ready for manual start
- G. Indicates ready for automatic start
- H. Indicates logging in progress
- I. Indicates logging finished

Pre-programmed Task

All EVt loggers will be pre-programmed with a TASK from the factory for immediate use. The pre-programmed logger TASK is as follows:

Manual Start/Stop enabled
 Delayed Start of 30 minutes
 Logging Interval of 15 minutes (At 3000 readings this gives a little over 30 days)
 Alarms ON
 High Alarm set to 41°F (5°C)
 Low Alarm set to 33°F (0.5°C)
 Scale °F (Easily changed when the data has been downloaded)
 Alarm delay 15 minutes

The logger can therefore be activated straight away by using the pre-programmed task or it can be re-programmed with another TASK as required. There is no need to set date/time, because a unique feature of the EV software is that it will recognise the time zone in which it is being downloaded, knowing also which time zone it was programmed, and will adjust date and time accordingly. Pre-programmed loggers will not display time of day.

Using EVt1 and EVt2

EVt1 and EVt2 programming is via the EV software. Please refer to the software-training guide for programming options and the EVt manual included on the software CD, part numbers EVSW or EVSW/PRO.

Once programmed the LCD on the logger will display either MAN, indicating manual start programmed or AUTO, indicating that an automatic start has been programmed. The battery symbol will be displayed constantly to indicate battery condition. Do not use the logger if only a single bar is showing. Press the blue button to scroll through High alarm setting, Low alarm setting and back to time of day.

To Start Logging

To start the logger in manual mode press and hold the blue button on the front for 5 seconds. If a delay has been programmed then the logger will indicate 'dLAY' on the LCD. Logging will start automatically at the end of the delay period.

Auto logging requires no manual intervention. The logger will start at the preset time and date.

During logging the green LED will flash periodically. If an alarm is active then the red LED will flash. It is possible to interrogate the logger during logging. Press the blue button and the display will scroll from time to current reading to MAX then MIN, AVG readings. If a reading is in alarm then the ringing bell symbol will be displayed.

To Stop Logging

Stopping the logger will be either automatic or by pressing and holding down the blue button for 5 seconds.

After logging has finished the blue button can be pressed again to review the summary. This will automatically scroll from MAX, to MIN, then AVG, then time in high alarm and time in low alarm. Additionally the EVt2 will scroll to display the current time.

Time in High or Time in Low Alarm is the cumulative time in hours and minutes that the logger has been in these alarm conditions irrespective of any alarm time delay programmed.

Data Retrieval

Press the blue button once to initiate communications. Place the logger in the PC Interface to download the readings.

EVt1 is now spent and should be returned to the supplier or disposed of correctly. EVt2 can be re-programmed with another TASK.

Handling Instructions

EVt loggers are water and dust proof to IP67 standards. However the loggers should not be immersed in water to clean. Use a damp cloth to wipe the logger clean with a mild detergent if necessary. Do not put in a dishwasher.

EVT Display Images

The following images depict examples of various stages of use from standby to finished logging:



Fig 2: EVt high alarm setting, auto start, not logging.



Fig 3: EVt showing manual start activated with delay. Logging not yet started.



Fig 4: EVt showing reading in high alarm while logging.

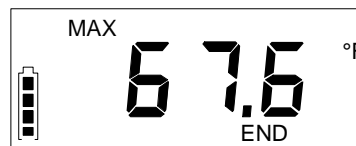


Fig 5: EVt logging ended, showing maximum recorded reading as part of automatic scroll feature.

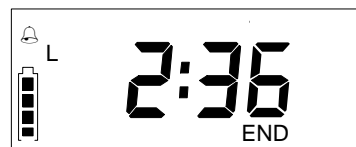


Fig 6: EVt logging ended, showing cumulative time in low alarm as part of automatic scroll feature.

Note: EVt2 has been tested to meet EN12830 TDS1 governing the temperature monitoring of quick frozen foodstuffs through the supply chain.

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