Power

The Touch Screen logger operates on a 120V AC adapter

Turning the unit Off via the On/Off button:
- Hold down On/Off button for 3 seconds.
- May take up to 10 seconds for the "Power Down" confirmation window to pop up. Press "YES" to shut down logger. "Cancel" or doing nothing will return logger to normal operation.
- Unit will stop logging. Backup battery will continue to charge while the logger is off but still powered via AC.
- Fan will continue to run while connected to AC even when unit is turned off.

While battery operated:
- If AC power is removed while the logger is on, a rechargeable battery will provide backup for up to 12 hours.
- The display will turn off.
- The logger will continue to log data while operating on battery only power while the display is off.
- The logger will not sound an audible alarm when an alarm condition is present while operating on battery power.
- If the backup battery drains before AC power is restored, the logger will stop logging.
- The unit must run for 24 hours before the backup battery is fully charged. No AC will display till 1st data point is displayed.

NOTE: The logger is set to wrap when full. Depending on the time graph interval and the duration of lost AC, older data may be lost.

Wall Mounting

Your Touchscreen includes a wall mount plate, two each: wall anchors, #4 screws. Follow the steps below for proper placement:
- Whenever possible, mount plate to studs using #4 screws (included).
- If studs are not available:
  - Use a 5/32 drill bit to drill 2 pilot holes.
  - Gently tap wall anchors (included) into holes.
  - Secure plate to wall using #4 screws (included).

Warranty

Dickson warrants this line of instruments will be free from defects in material and workmanship under normal use and service for a period of twelve months, after delivery. This warranty does not cover routine calibration or battery replacement. For Specifications and Technical Support, go to http://www.dicksondata.com or contact us via telephone at 800.323.2448.

DICKSON Touchscreen Logger
FT600/FT620/FT625/FT630/FT640/FT645/ FT660/FH625/FH635

Getting Started

Your Color Touchscreen Logger includes the following:
- AC Adapter
- Probe or Pod
- Certificate of Calibration
- Quick Start Manual

*SD Flash Memory Card, USB Cable and DicksonWare Software are sold separately.

Presets
- Model: **FT600/FT620/FT625/FT630/FT640/FT645/FT660**
  Time Scale: 1 Hour / Sample every 6 sec
  Temperature Range: 0 to 100
  Unit of Measure: Deg. F
  Alarm: OFF
- Model: **FH625/FH635**
  Time Scale: 1 Hour / Sample every 6 sec
  Temperature Range: 0 to 100
  Humidity Range: 0 to 100
  Unit of Measure: Deg. F; % RH
  Alarm: OFF

Quick Start

The Touchscreen Logger is a computer device and must be set and restarted prior to use.
1) IF model FT600, FH625 or FH635, the Pod must be plugged in before powering on. Turn the case to see the left side (the USB jack and SD card slots are on the right side of the case). You will see a rectangular opening on the upper edge of the side panel. The pod can only be plugged in one way so that the pod tip is visible above the top of the case.
2) Plug the AC adapter into a standard electrical outlet, connect the logger to the AC adapter and press the power switch to turn on.
3) Set Time: Press Menu ➔ Setup ➔ Set Time ➔ Save ➔ OK
4) Set Date: Press Menu ➔ Setup ➔ Set Date ➔ Save ➔ OK
5) Set Time Scale: Press Menu ➔ Set Scales ➔ Set Time Scales ➔ Save ➔ OK
6) Power off the logger, wait 10 seconds and power on the logger
7) Press Current to view current readings. The logger is ready for use when readings are displayed. If no readings are displayed, repeat the above steps.

Logger Time: The logger does not automatically adjust for daylight savings. You must manually adjust the logger time during the start and end of Daylight Savings.

Exporting Data: Saved data can be exported to and viewed in DicksonWare
- The logger must be CLEARED via DicksonWare 17.12 or greater prior to logging and downloading data.
- Export data using the USB cable or Flash Memory Card. Open DicksonWare to view exported data.

Additional Touchscreen User Settings include:
- Set Channel 1/2 Unit of Measure/Range(s) ➔ Menu ➔ Setup ➔ Set Ranges
- Set High/Low Alarms ➔ Menu ➔ Setup ➔ Set Alarms

Alarm Operation
- Alarm ON: Alarm setting arrows will appear on the graph to indicate min and max settings. These arrows can be dragged and dropped to adjust alarm min and max settings.
- Alarm Triggered: Out of range alarm setting arrow will blink, the alarm symbol will display and an audible alarm will sound.
- Press the logger's display to clear the alarm.
- If the alarm condition still exists after two minutes, the alarm will sound and display again.
- If the display is not pressed after 30 seconds, the alarm will stop sounding and beep 2x every 5 minutes until the alarm is cleared.
  Note: The alarm is inaudible while the unit is battery operated.

VIEW
- There are 3 selectable views; Press the "View" button to scroll through each view.
- Current Readings will update every 10 seconds or per the sample rate, whichever is greater
- Note: The Current Reading Window can be dragged and dropped to set a new display location.

Minimum and Maximum Readings
- Min/Max readings displayed reflects the Min and Max for all samples currently **displayed** on the graph.
- When scrolling through logged data or zooming, the Min/Max readings will change to reflect the data being displayed.

Scroll Bar
- A full graph will trigger the "Scroll" bar icon to display.
- Press and drag the bar to the left to view all saved data.
- When the scroll bar is in the right most position, the most recently saved data is displayed on the graph. When in the left most position, the oldest saved data is displayed on the graph.

Zoom
- Press the ZOOM button to activate Zoom
- Place your finger on the graph and drag along the graph to draw a box over the desired data.
- To exit Zoom, press the Unzoom button. The graph will default to the standard Time Scale with the most recent data displayed.

Screen Lock
- Prevents unauthorized users from clearing the logger or changing settings.
- Press Menu, Setup, Set Screen Lock, enter code: 9 3 0
- Press OK
- Turn the Screen Lock Off/On, set screen lock delay and set new code.
- The screen lock will activate once the preset delay period has passed after the last screen touch.
- Contact Dickson if the Screen Lock code is forgotten.

Stop or Wrap When Full
Your Touchscreen logger is set to log continuously, "wrap when full". To change, in DicksonWare, go to Setup ➔ Samples to set the logger to "stop when full".

Display
The Touchscreen Logger display may show colored lines during the start-up process. This is part of the display testing process; however, the display should display normally within a few seconds.
The display will show when the unit is battery operated, but the battery will drain very quickly. The unit should be connected via AC power and the battery should only be used for backup purposes.

Relays
FT630/FH635 feature1SPST 24VDC. 0.5A, NO/NC Relay per channel. Relays do not operate under battery power. **A Relay wiring diagram is available at** http://www.dicksondata.com. Pin number 1 is the lowest pin position and Pin number 6 is the top pin position.

Clear Logger
The Touchscreen Logger can be cleared via DicksonWare or by saving a current or new Time Scale or changing the Date or Time via the Touchscreen Menu.