## Warranty/Disclaimer

OMEGA Engineering, Inc. warrants this unit to be free of defects in materials and workmanship for a period of 25 months from date of purchase. OMEGA Warranty adds an additional one (1) month in materials and workmanship for a period of 25 months from date of purchase. OMEGA Warranty does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This Warranty is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA’s control. Components which are not warranted, including but not limited to contact points, fuses, and triacs.

## Repair Instructions and/or Contacting OMEGA:

If the unit malfunctions, it must be returned to the factory for evaluation. For complete product manual: www.omega.com/manuals

For software download: omega.com/ftp

For other Locations visit omega.com/worldwide

## Membrane Keypad and Display Functions cont.

### CTXL-DPR Model

- **AVG** Displays Average Process values of two channels
- **MIN** Displays Minimum values of two channels
- **MAX** Displays Maximum values of two channels

### CTXL-DTC Model

- **AVG** Displays Average Process values
- **MIN** Displays Minimum Process values
- **MAX** Displays Maximum Process values

### CTXL-TRH Model

- **T1-T2** Refers to Channel (1)
- **T2-T1** Refers to Channel (2)
- **HAL** Turns on or flashes when in High alarm condition
- **LAL** Turns on or flashes when in Low alarm condition

## RoHS 2 Compliant
- OMEGA is RoHS compliant.

## For Other Locations Visit omega.com/worldwide
Using this Quick Start Manual
Use this Quick Start Manual with your CTXL Recorder to set it up and perform basic operations. For detailed information, refer to the User’s Guide (Manual Number M4098).

Parts of the CTXL
1. Control panel display and keyboard
2. Pens, upper CHAN 1 (temp), lower CHAN 2 (humidity)
3. Chart paper
4. Chart light bulbs (inside; on chart base)
5. Time set arrow (inside; on chart base)
6. Temperature/humidity sensor probe
7. Sensor clip
8. dc power jack
9. Battery compartment (at the rear)
10. Decorative foot cover (stabilizing arm inside)
11. LCD display, backlight
12. RS232 port
13. Door lock

Install the Batteries
1. Place the recorder on a soft surface front face down.
2. Insert the 4 “D” size batteries in the battery compartment as shown in Figure 2.

Batteries provide power if the ac adaptor is not used. Otherwise, they provide power backup in case of ac power failure.

Install the Chart Paper
Make sure the Sensor probe is plugged into the Recorder when power is on. The factory setup is for 7 Day Chart Speed & “F” Chart Scale.

To install or change the same Chart paper:
• Open the Recorder door & remove the magnetic hub that holds the paper.
• Place the new Chart paper.
• Rotate the paper, until the present time lines up with the Time reference arrow as shown in the following figure.
• Place the magnetic hub over the paper & close the recorder door.

This can be done with or without power turned on.

2.4.1 Changing Chart Speed & Scale
You can change the Chart speed & scale as follows:
• Make sure the unit is turned on by pressing the Power Key.
• Open the Recorder door. The pens will go to the Home position (Bottom of scale) and the display will show “door open” as well as the existing Chart Speed (7 Days) and Chart scale (“F”).
• Press the Chart Speed key to change to 1 or 32 day chart.
• Press the Chart Scale key to change to °C if needed.
• Install the new Chart paper as explained in the previous paragraph.
• Close the Recorder door. The display will show “data reset!”
• Press the yes key to reset (erase) previous stored data in memory.

The unit beeps for verification.
• Press the no key to continue recording without resetting (erasing) previous stored data in memory.
• If no keys are pressed, the unit will resume recording after 5 seconds without erasing previous stored data in memory.

Setting Alarms and Time Clock
Real Time Mode
High Alarm - Channel 1 (Temperature)
Press (MD) or (MD) keys to set high alarm
Press (MD) key to enable/disable alarm
LAL icon is on when high alarm enabled
Low Alarm - Channel 1 (Temperature)
Press (MD) or (MD) keys to set low alarm
Press (MD) key to enable/disable alarm
LAL icon is on when low alarm enabled
High Alarm - Channel 2 (Humidity)
Press (MD) or (MD) keys to set high alarm
Press (MD) key to enable/disable alarm
LAL icon is on when high alarm enabled
Low Alarm - Channel 2 (Humidity)
Press (MD) or (MD) keys to set low alarm
Press (MD) key to enable/disable alarm
LAL icon is on when low alarm enabled

Clock - Display Hour
Press (MD) or (MD) keys to set the hour (Military time 0-23)

Clock - Display Day
Press (MD) or (MD) keys to set the day (01-31)

Clock - Display Month
Press (MD) or (MD) keys to set the month (1-12)

Clock - Display Minute
Press (MD) or (MD) keys to set the minute (00-59)

How to Install the Pen
1. Turn the recorder over (so it is front face up) and open the main door.
2. Remove the pen caps and place them in a secure place. Install the pens as shown below. The blue pen goes in the humidity pen arm and the red pen goes in the temperature pen arm.

Recorder Placement
As shipped, the recorder is set up for wall mounting (there is a decorative cover at the bottom of the recorder which remains in place for wall mounting - it comes off for bench top use).

Mount the Recorder on the Wall
1. Use the template provided in the wall mounting kit to locate the mounting holes.
2. Drill the holes.
3. Place anchors and screws in the holes.

Membrane Keypad and Display Functions

POWER
 Turns ON/OFF the recorder

SET
 Enables/disables low & high alarms (Sec. 2-6)

INC
 Increments set values (Sec. 2-6)

DEC
 Decrements set values (Sec. 2-6)

MODE
 Mode Menu- Displays Max, Min, Average values (Sec. 2-7)

CTXL-DTC
 Displays Real Time Clock for 3 seconds

CTXL-DPR
 Sets the Chart Scale to °F & °C (CTXL-DPR).

CTXL-TRH
 Sets the Chart Scale to °F & °C & RH.

CTXL-TRH
 Sets the Chart Scale to °F & °C & RH.

Configuration Menu - Sets Low, High Alarms & Time Clock (Sec. 2-6)

Locks/unlocks the Keypad functions (Sec. 2-14)

Changing Chart Speed and Scale Flow Diagram

Chart Paper Installation