

SU780XLE

Quick Guide:

----- clip, laminate, keep with freezer -----

Initial Setup

1. Unpack freezer unit and included components, ensure all packaging material has been removed from around the fan inlet and outlet holes.
2. Adjust the leveling feet (wrench included) to secure the freezer in place.
3. Plug AC power cord into the main power socket at the back of the unit and then into an electrical outlet.
4. Switch AC power to the "On" position.
5. **Notice:** Ensure the access port stopper or sealant is in place. Remove factory tape at the port stopper prior to initial use.
6. Review the date, time and temperature set point within the Graphical User Interface and adjust as needed. Default set point is -80°C.

Guide to Basic Graphical User Interface Functions

ON / OFF	Switch the main power on, located at the back of the unit adjacent to the AC cord.
Change Set Point	Tap Home > Set-up > Set-up > Enter PIN > Enter > Change > Select Set Point Type > +/- > Save
Silence Alarm	Tap Home > Set-up > Silence
Event Log	Tap Home > Set-up > Event Log > Prev. Page, Next Page
Chart History	Tap Home > Set-up > Chart History > Select Chart History Type > use </> to view

Guide to Advanced Graphical User Interface Functions

Alarm Setup	Tap Home > Set-up > Set-up > Enter PIN > Enter > Alarms > Select Alarm Delay Type > +/- > Save
Date and Time	Tap Home > Set-up > Set-up > Enter PIN > Enter > Date & Time > +/- > Save
Change PIN	Tap Home > Set-up > Set-up > Enter PIN > Enter > PIN > Enter New PIN > Enter > Re-enter New PIN > Enter
Calibrate RTDs	Requires Authorized Service & PIN Tap Home > Set-up > About > Service > Enter Service PIN > RTD Calibr. > RTD Select > +/- > Calib.
Battery Replacement Alarm	Tap Home > Set-up > Set-up > Enter PIN > Enter > Battery > Month/Day/Year > Save

Handle Operation

The Stirling Ultracold handle is designed for one-handed operation. To open the freezer, rotate handle towards the user approximately 90°. To engage the Power-Release, apply firm downward pressure on the handle while in its open position. The Power-Release assists when the freezer door is adhered to the gasket after long periods of non-use as well as when air pressure is not yet equalized. To close, with handle in the horizontal position, push door to cabinet and return the handle to its original vertical position.

Caution:

Tipping Hazard

The unloaded freezer is TOP HEAVY. Use caution in moving and installation. Do not pitch the freezer more than 12 degrees from horizontal. Doing so may cause it to tip over.

Danger:

Flammable Refrigerant Used, Risk of Fire or Explosion:

SU780XLE uses 90 grams of R-170 (Ethane) in a hermetically sealed thermosiphon tubing. It requires caution in use/repair.

- A. Danger** – Do not drill or puncture inner liner.
- B. Danger** – To be repaired only by trained service personnel. Do not puncture refrigerant tubing.
- C. Caution** – Consult Repair Manual/Owner's Guide before attempting to service this product. All safety precautions must be followed.
- D. Caution** – Dispose of flammable refrigerant properly in accordance with federal or local regulations.
- E. Caution** – Follow handling instructions carefully.



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