USER MANUAL

DLS3 LIQUID LEVEL CONTROLLER

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QUICK START – DLS3 LIQUID LEVEL CONTROLLER

Connect the cryogenic freezer to a low pressure LN2 source (22psig / 1.5bar) with the transfer hose provided. Install the power cord supplied in a wall outlet, rated at 90-264VAC – 47-63HZ and switch the unit on.

1. Start Up Display

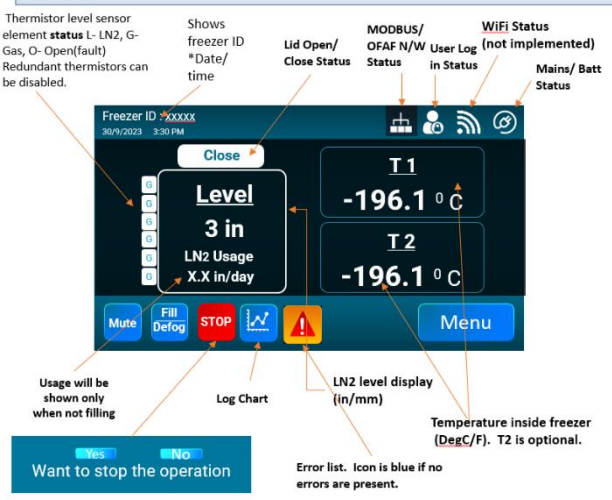
phasetwo™ DLS3 Liquid Level Controller

Shown below is the display at Power ON. During start-up, the microcontroller will carry out a built in self-test; if the self test is OK, the controller will load the default settings. Once done, it will send an OK message to display to change over from launch screen to default screen.

2. Home Page

Home

Home/ Main Screen Page: Functions



Functions of Soft Keys:

- **Mute:** Press to mute audio alarm.
- **Fill/ Defog:** Press to carry out manual defog / manual fill. Press again to halt
- **Menu:** Press to navigate inside.
- **Network:** Press to put the freezer in to network mode for OFAF. Otherwise, it will show network status/ health.
- **Quick access:** Press to log in/ out. Otherwise, will show log in status.
- **Mains:** Icon shows status whether the freezer is using the wall adapter or the battery backup.
- **STOP:** Press to stop fill process on emergency. When fault occurs during fill process (Stuck open), this will toggle to resume. Will toggle to resume for continuing the fill process after rectifying valve related faults.

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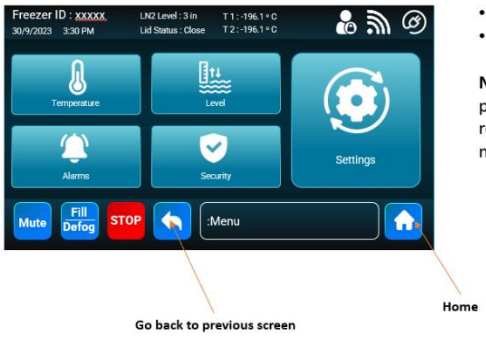
3. Main Menu

Menu

Main Menu



Functions of Soft Keys:

- **Temperature:** Enable/disable T2. Enable/disable/set temperature alarms.
- **Level:** Enable/disable thermistor redundant sensing. Check the status of DP. Set stop/start fill levels and timers.
- **Alarms:** Configure various alarms.
- **Security:** Configure and enable user access.

Note: When changing values on any menu where the save button is present at the bottom, it must be pressed before leaving the screen to retain the new values/settings. See below example of the temperature menu.

4. SETTINGS Menu

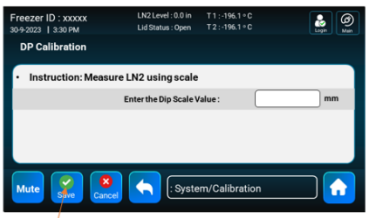
System

System

Functions of Soft Keys:

- **Display:** Select language, set screensaver time, set date and time, enable haptic sound touch feedback, and see system information.
- **Scheduled Events:** Enable/set a scheduled fill event and reminders.
- **Lid Functions:** Enable/disable the lid switch sensor. Set quick chill and defog settings.
- **Calibrations:** Guided calibration of the DP sensor and RTD's.

Note: When changing values on any menu where the save button is present at the bottom, it must be pressed before leaving the screen to retain the new values/settings. See below example of the below DP calibration menu.



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