

# Low Voltage Power Supply GUI

The low voltage power supply GUI interface shown here was written in Python. The widgets were created using the tkinter module. The tkinter module is python's implementation of tk. Access to hardware devices is made through the channel access module.

The GUI to the low voltage power supply is show below. The action

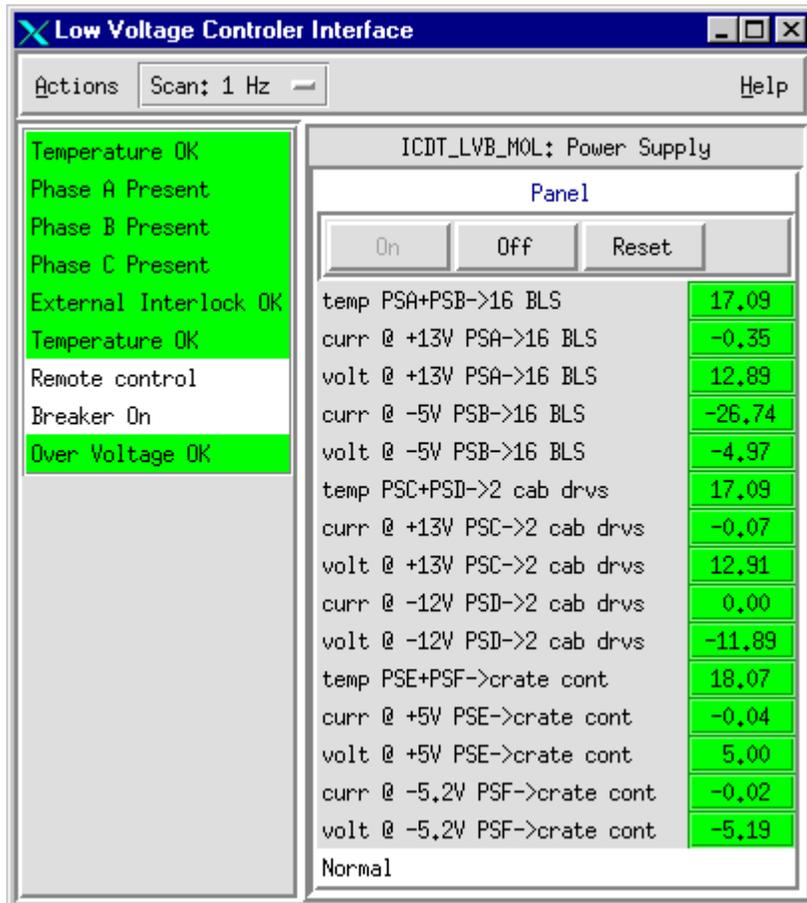


Figure 1. Low Voltage Power Supply.

menu at present has two items *update* and *quit*. When the update command is give the present state of the hardware device is read and displayed. The

quit command exits from the program. The Gui is updated periodically. The update rate can be set from the scan menu.

Voltage supply information is displayed on the right side of the GUI. The current, voltage and temperature of each channel is display. More information can be obtained for each channel by clicking the left mouse button over the display window of the desired channel. The voltage supply can be turned on or off or it can be reset by clicking on the buttons above the display. The left part of the display shows status information about the device.

## **SUMMARY OF COMMANDS**

QUIT →	Exit from program.
UPDATE →	Updates GUI with current information.
SCAN RATE →	Sets the rate the GUI is updated.
ON/OFF →	Turns power supply on/off remotely.
RESET →	Resets the power supply.

LEFT CLICKING ON DISPLAY WINDOW →  
Displays detailed information about channel.

## **TO RUN**

> lvc2.py <Power Supply Name>