Instructions for the Lindberg Blue Muffle Furnace

The Lindberg Blue muffle furnace in the ERLN lab (Room C201) is currently programmed to run two different temperature programs:

PTNO 1 goes to 550 C for 8 hrs, then drops to 120 C and stays in hold indefinitely

PTNO 2 goes to 700 C for 8 hrs, then drops to 120 C and stays in hold indefinitely

PTNO 1 is to be used for glassware baking and for baking sodium chloride

PTNO 2 is to be used for baking other reagents like Ottawa sand, silica, and sodium sulfate

To switch between programs press the blue PTNO button's up or down arrow until the program number changes between 1 and 2. Make absolutely sure that you are using the right program for your application!

To use the oven:

1) If the oven temp is 120 C and the PRG and HLD green lights are lit the oven is in HOLD and it will stay that way indefinitely unless it is reset. To reset the oven press and hold the reset key until the green light appears next to RST. The oven will now start cooling.

2) The red light between the main switch and the controllers must be on in order for the furnace to operate. If the light is off you will also notice a red light next to "out" on the small controller. In such case press and hold the RESET button on the small controller until the oven red light turns on. You will also hear a rather loud click.

3) To start the oven program press and hold the RUN button until green light appears next to PRG. The oven is now running the temperature program.