DRP Mk2 Controller Operation

Operation

Press and hold **'STOP'** for 15 seconds to cancel any existing mode.

Press **'START'** and following the on screen instruction select the required bake day and bake time.

If you require **'PROVE'** only set the time for 3hours and the controller will automatically select the correct program.

At any point if you make a mistake, press **'STOP'** and start again.

An audible alarm will sound when the machine is at the correct loading temperature.
Press **START** and load the product.

When cycle is complete an audible alarm will sound, press **'STOP'**, check the product is fully proved, remove and bake.

Should an extra proving time be required, select **'EXTRA TIME'** and press **'START'**.

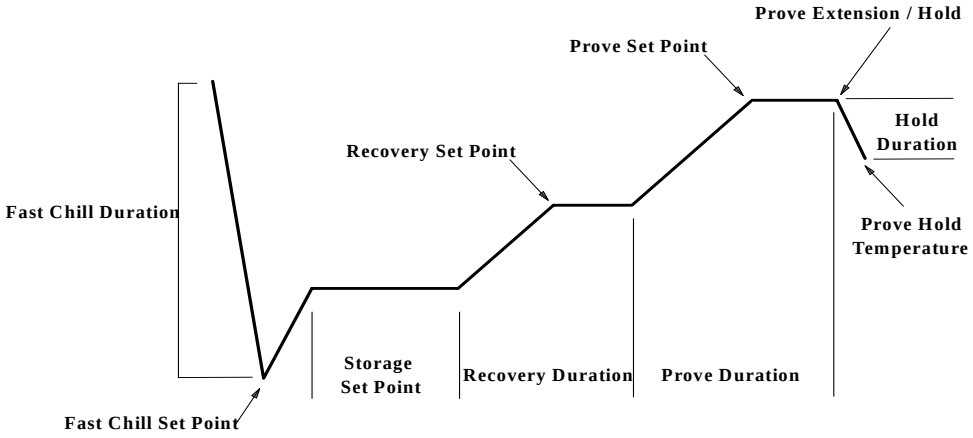
When 'EXTRA TIME' is complete an audible alarm will sound, press **'STOP'**, check the product is fully proved, remove and bake.

In the event of an emergency switch off the machine at the **'MAIN ISOLATOR SWITCH'**

Operating Programme

Within the controller there are 10 process operating programs numbered 0 to 9. These programs are selected automatically by the controller based on bake time and current time.
The controller automatically selects the program it requires by calculating the total time between the start time and the bake time. The program selected is governed by the 'Automatic Program Selection' parameters.

In the event of a program being selected which does not have sufficient time to run completely the controller will operate as much of the program as possible. For example if program 3 had a total run time (Recovery Duration + Prove Duration) of 5 hours the time available was only 4 hours then the controller would operate the final 4 hours of the cycle.



Programs 1 to 9 contain full automatic cycle parameter information with program 0 being a prove only program.

Programs 1 - 9 each contain the parameters detailed below;

Fast Chill Duration
The time period at the start of the automatic cycle which the controller refrigerates continuously unless terminated by the 'Fast Chill Set Point'.

Fast Chill Set Point
Termination temperature during the fast chill operation if fast chill duration has not first been exceeded.

Storage Set Point
The temperature at the end of the fast chill stage at which the controller holds the chamber until the recovery stage begins.

Recovery Duration
The time taken for the temperature in the chamber too linearly rise from the storage temperature to the recovery temperature.

Recovery Set Point
Temperature to which the chamber will linearly increase too following the storage stage.

Prove Set Point
Temperature to which the chamber will linearly increase too following the recovery stage.

Prove Humidity
The relative humidity which the chamber is maintained at during the prove cycle subject to the 'Humidity Temperature Limit' parameter.

Prove Duration
The time taken for the chamber temperature too increase linearly from the recovery temperature to the prove temperature.

Final Product Loaded
The time prior to the bake time after which the no further product can be loaded. The display indicates when this time has passed.

Oven Contact
Time prior to the bake time that the oven contact operates.

Controller Operation
All outputs are governed by certain conditions to prevent adverse effects caused by their simultaneous operation with others.
These should be read and understood.
They include;

- Heating not on for 2 minutes following refrigeration.
- Heating operating operation pulsed depending on temperature difference.
- No refrigeration for 2 minutes after heating.
- No humidity until temperature set in humidity temperature.
- No humidity during refrigeration
- Defrost every 6 hours following coil temperature below +7ºC.
- Defrost 55 minutes prior to end of storage mode

The controller contains some on board fault diagnosis. This system monitors part of the system which assist the service engineer upon arrival on site.

- Air sensor fault
- Coil sensor fault.
- Humidity sensor fault.
- Defrost termination fault.
- Power input.
- Door open
- Temperature fault
- Over temperature fault.

Important
The controller depends on time and date to carry out its calculations so it is essential that the correct time and date is set in the controller programme.
To access and change the time and date. Stop any cycle which is currently operating by holding the **'STOP'** button for 5 seconds.
Hold the **'STOP'** button and press the **'DOWN ARROW'** and follow the on screen instruction.
There is no need to change the time for Summer and Winter time as the controller will carry this out automatically.