

SUMMARY INSTRUCTION SHEET FOR USE WITH THE COLDROOM

- These instructions to be used in conjunction with the reference Manual supplied by the manufacturer.
- Operational temperature range +30 deg C to -40 deg C

- If the power supply is turned off – at least eight hours notice must be given by the user to technical staff to turn on the equipment and allow the plant to warm up correctly.
- Ensure that the main control panel on/off selector switch “A” is in the “OFF” position and that the auto-off-minus 40 switch “B” on the temperature control panel is also in the “OFF” position.
- Turn on the mains supply isolator on the main control panel (after having first signed for the key)
- Observe the temperature values displayed on the main control panel – they should all display approximately the same temperature values as the temperature control panel.
- Once the warm up period has expired – the plant may be placed back in operation.
- Turn to “ON” the selector switch “A” on the main control panel; the rotary chemical drier room ventilation system will start up.

- The “set point” value may be changed by pressing the ▲ or ▼ to set the desired temperature of the Coldroom. The temperature control system is now in standby mode.
- For temperatures above -30 deg C turn the selector knob “B” to “auto” and a single cooler unit will start up approximately 30 secs later, and pull the temperature down to the “set point” value.
- For temperature requirements below -30 degC, and down to -40 deg C it is essential that the room be started from warm, thus ensuring that both coiling coils are free of frost. Set the desired temperature as above, but turn the selector knob “B” to -40 degC, after 30 secs both coolers will start up and pull the temperature down to the “set point” value.
- Note: in “auto” mode the cooler incorporates a twelve hour cyclic timer before defrosting, the other unit will remain in standby mode. At the completion of the twelve hour cycle, refrigeration will begin with the standby unit or No 2 unit, it is inevitable the temperature of the room will be affected to some degree during this changeover period.
- In the -40 degC mode both units will run on a cyclic timer for six hours pulling down the temperature before one unit defrosts. When this defrosting process has been successful they swap roles.
- To SHUT DOWN, turn the selector knob “B” on the temperature control panel to OFF, continue on the main control panel and turn the selector switch “A” to OFF. This completes the shutdown process. .

Health & Safety:

- Appropriate clothing is supplied – WEAR IT!
- Always sign in and use the “buddy” system for your own safety.
- Within the Coldroom a panic button is installed, when activated an audible alarm will sound. To mute the alarm, twist and pull out the button.
- Room access is monitored via door switches to both the air lock and goods door, opening of these doors will cause the red room occupied light to illuminate. This triggers a twenty minute delay timer. When this time has elapsed a flashing red room evacuation beacon is activated, the occupant must now leave the room and turn the **RE-SET** key switch located next to the air lock door to “1”. Failure to carry out the above evacuation and re-set procedure within five minutes, will result in operation of the local audio visual alarm.
- **PLEASE REMEMBER; WE ARE NOT THE ONLY OCCUPANTS OF THIS PAVILION, AND FAILURE TO CARRY OUT THE ABOVE ACTION WILL CREATE UNNECESSARY NOISE AND DISTURBANCE TO OTHERS.**