3.3. COMPONENTS & FUNCTION DESCRIPTION

3.3.1. UPRIGHT MODEL

Backup system inlet (on back + optional on top of unit)

Control panel

Sensor inlet (on back of unit)

Locking device

Optional inlet (on bottom of unit)

Optional recorder

Condenser air inlet
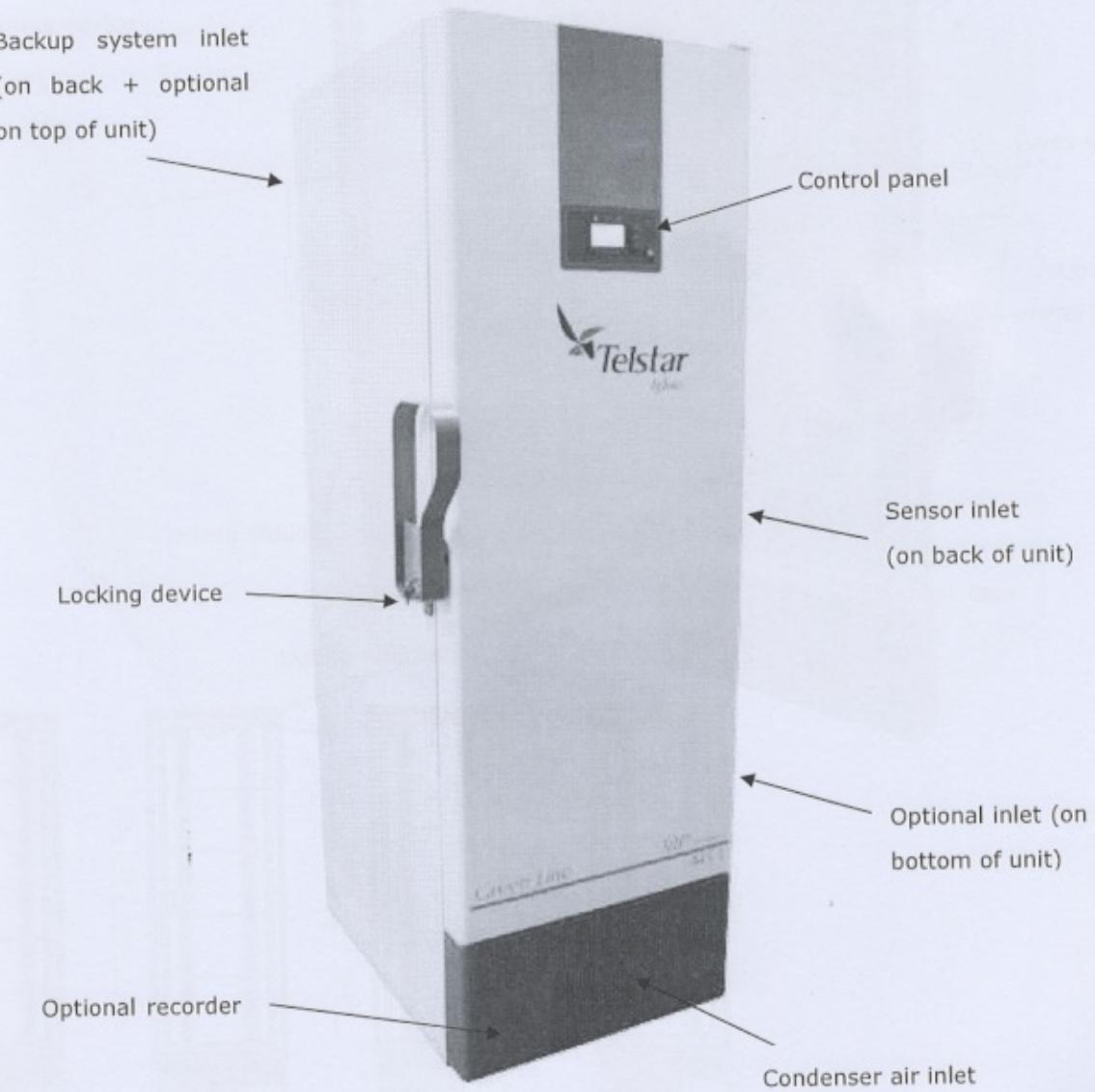
4.7.3. MAIN POWER CONNECTIONS

CO2 / LN2

RS485 Port

RS485 SERIAL PORT

CO2 / LN2 BACKUP

REMOTE ALARM

Remote alarm
(Volt free contacts)

AC IN
FUSE 12A

Main socket
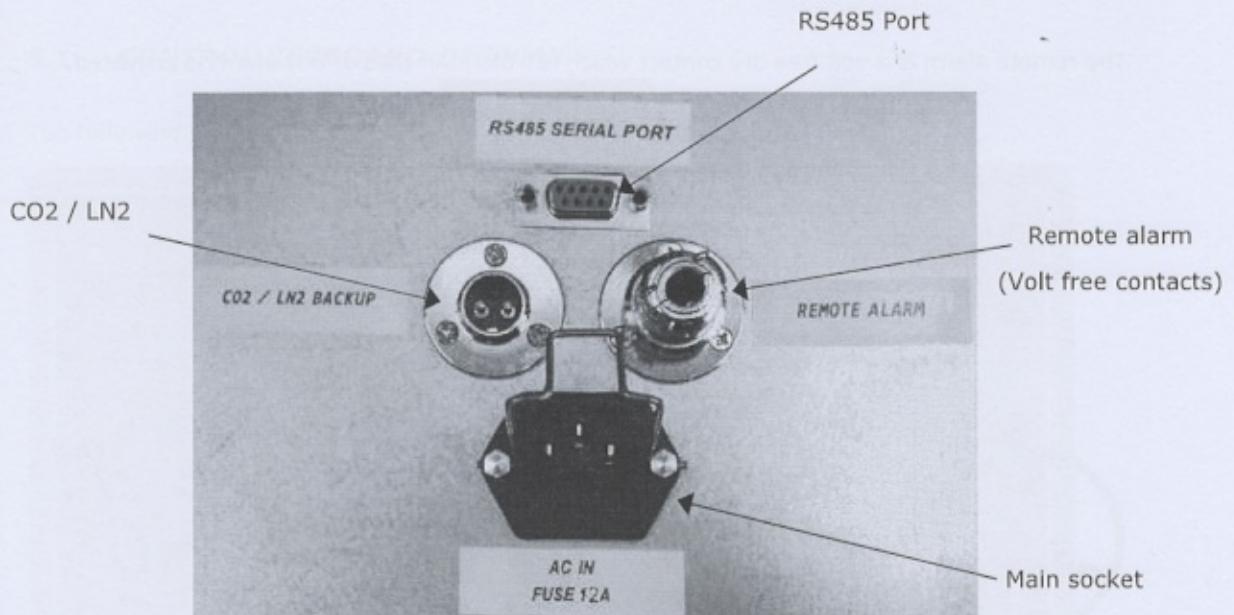
When the power supply is checked and the unit is earthed, you can switch on the unit.

4.7.4. CO₂ / LN₂ BACK UP

The CO_2 / LN_2 BACK UP is a 24Vdc connector to activate the corresponding CO_2 or LN_2 valves.

The CO_2 and LN_2 Backup accessories include the cable from the CO_2/LN_2 BACK UP connector to the valve.

4.7.5. REMOTE ALARM

The remote alarm is a volt free dry contact which will alarm in case of any alarm is activated.

Male and female alarm plug
#604152 & 603309
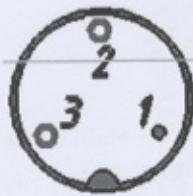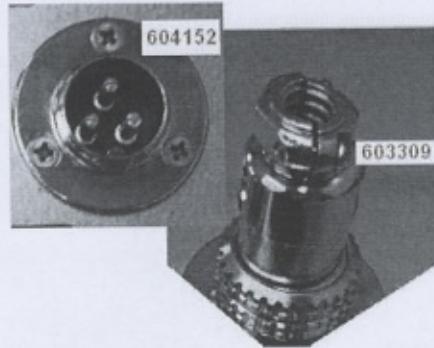
2-COM
3-NO
1-NC

Normal Conditions
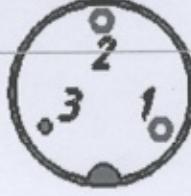
2-COM
3-NO
1-NC

Alarm Conditions

In normal conditions, the relay is always open which means connection between COM and NO (normally open). In case of alarm, the relay is closed which means connection between COM and NC (normally closed).

During the first start-up of the freezer the alarms will be de-activated until the temperature set point has been reached.

For the remote alarm contact there is a time delay, by default this delay is programmed to 10 minutes.

4.7.6. RS485 PORT

The RS485 Port can be used to monitor parameters and alarms on your PC by using the Telstar software and a RS485 to RS232 cable with converter.