

Controller Operation

The BIT 20B11E is fitted to the HR410 and LR410.

With this controller also the LAE BIT 12 RU front display is installed.

The Control Unit is fitted at the rear of the cabinet with the Display Unit fitted into the front top right hand side of the cabinet, interconnected by a ribbon cable.

Defrost type for HR models is a timed off cycle, defrost for the LR410 switches the machine off and allows the ice to melt, once it is clear of ice, dry the cabinet thoroughly before switching the machine back on.

One probe is fitted measuring air temperature and is used to control cabinet temperature.

In the event of probe failure "E1" will be displayed.

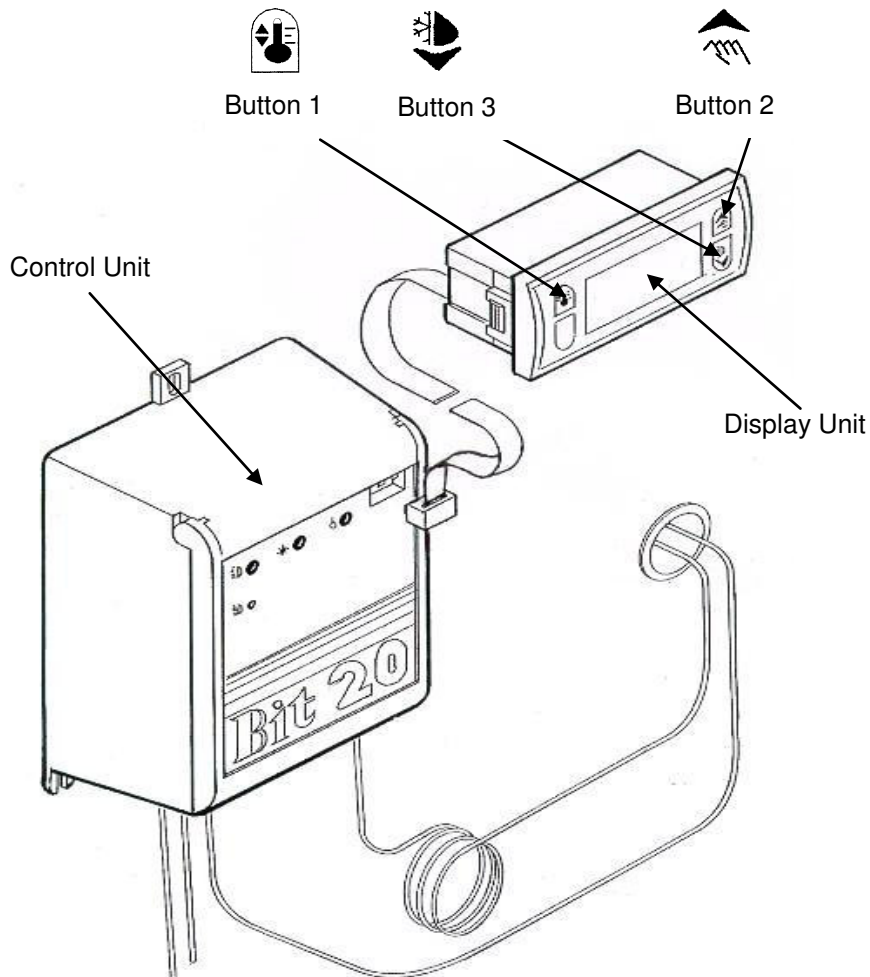
In the event of air probe failure on HR model the refrigeration system will be controlled by a timed sequence. The controller parameter setting cF is set at 00 which allows for the compressor to be on for 3 minute and off for 4 minutes.

In the event of air probe failure on LR models the compressor will run continuously, the controller parameter setting cF is set at 1.

Controller and display diagram

Controller – 00-554860

Display – 0-554167





Controller Settings

- **Check set point 1.**


Press button 1 


- **Increase set point**

Press and hold button 1 

Press button 2  until required temperature is displayed.




- **Decrease set point**



Press and hold button 1 





Press button 3  until required temperature is displayed.

- **Controller set up**

Access to the controller is achieved by pressing in sequence: –

 +  +  And holding the keys in for a period of 4 seconds.

It is possible to scroll through the parameters by pressing  or .

The value of a selected parameter is checked by pressing  and may be altered by pressing  or  whilst still pressing .

Exit from set up occurs after 15 seconds if no button is pressed.

BIT 20B 11E Controller settings for 410 models

Parameter	Description	Standard Settings	HR 410 Settings	LR 410 Settings
SP	Temperature Set Point	3	3	-21
SL	Min. Set Point	-3	3	-21
Sh	Max. Set Point	12	3	-21
Hy	Hysteresis	3	3	3
cr	Compressor Min. Pause	3	4	4
cF	Operation with T1 Fail	0	0	1
dF	Defrost Frequency	6	4	0
dt	Max. Defrost duration	20	10	1
dL	Defrost Limit Temp	10	10	10
dm	Defrost Mode	1	0	0
dr	Drain Time	3	3	0
th	Display During Defrost	10	0	0
to	Display Offset	0	0	0
tS	Display Slow Down	3	0	0