

17. ddF Parameter	Function: This parameter is used to select display while the Defrost Cycle is in progress.								
When this parameter is set to, Pr = While the Defrost is ON, Room temperature will be displayed. dF = While the Defrost is ON, "dF" will be displayed.									
<table><tr><td>Min.</td><td>Max.</td><td>Fac.</td></tr><tr><td>Pr</td><td>dF</td><td>dF</td></tr></table>				Min.	Max.	Fac.	Pr	dF	dF
Min.	Max.	Fac.							
Pr	dF	dF							
Note: This parameter will be visible if P1 Parameter is set to CLd & P7 > 0.									
18. du Parameter	Function: Display update delay on Probe Temperature increase.								
This parameter is enabled only when the parameter value is kept greater than 0. P1 = CLd or CoL (Cooling Mode) If Probe Temperature is increased by 0.1°C / 1°F or more due to any reason, Display will be updated at every 1 minute by +1°C / °F. Not applicable for decrease in temperature. P1 = HEt (Heating Mode) If Probe Temperature is decreased by 0.1°C / 1°F or more due to any reason, Display will be updated at every 1 minute by -1°C / °F. Not applicable for increase in temperature.									
Note: 1) When the ddF parameter is set to dF, this parameter will work in the background and the Temperature will be updated on the display once Defrost gets over. 2) This is not applicable for Ht/Lt fault & when Control probe is failed.									
<table><tr><td>Min.</td><td>Max.</td><td>Fac.</td></tr><tr><td>0 Min</td><td>15 Min</td><td>1 min</td></tr></table>				Min.	Max.	Fac.	0 Min	15 Min	1 min
Min.	Max.	Fac.							
0 Min	15 Min	1 min							
19. bLo Parameter	Function: Low Battery Indication.								
Example: If this parameter is set to 50%. When controller is ON with the Battery supply & Display Battery value goes equal or below this parameter setting then Display will show "bL" for Battery Low. Battery LED Icon in Red colour will be ON.									
<table><tr><td>Min.</td><td>Max.</td><td>Fac.</td></tr><tr><td>0%</td><td>100%</td><td>50%</td></tr></table>				Min.	Max.	Fac.	0%	100%	50%
Min.	Max.	Fac.							
0%	100%	50%							
Note: If this Parameter is set to 0 then Battery related features will be disabled.									
20. AL Parameter	Function: To Activate Buzzer output.								
The Buzzer will come on incase the temperature reaches or goes above or below the points set in parameter P2 & P3 and if the probe fails as per parameter setting. diS = Disable Buzzer for all Faults. EHL = Enable Buzzer at Ht & Lt Fault Only. EHt = Enable Buzzer at Ht Fault Only. ELt = Enable Buzzer at Lt Fault Only. Note: Buzzer will activate for Probe fail Fault, if this parameter is set to EHL, EHt, ELt. Buzzer will activate as per AL Parameter whenever fault occurs.									
<table><tr><td>Min.</td><td>Max.</td><td>Fac.</td></tr><tr><td>diS</td><td>ELt</td><td>EHL</td></tr></table>				Min.	Max.	Fac.	diS	ELt	EHL
Min.	Max.	Fac.							
diS	ELt	EHL							
21. Htd Parameter	Function: To set time delay for High Temperature fault.								
Example: Same as P2 parameter. Note: If this parameter is set to diS then HT fault sensing will be disabled.									
<table><tr><td>Min.</td><td>Max.</td><td>Fac.</td></tr><tr><td>diS</td><td>999 min</td><td>60 Min</td></tr></table>				Min.	Max.	Fac.	diS	999 min	60 Min
Min.	Max.	Fac.							
diS	999 min	60 Min							
22. Ltd Parameter	Function: To set time delay for Low Temperature fault.								
Example: Same as P3 parameter. Note: If this parameter is set to diS then LT fault sensing will be disabled.									
<table><tr><td>Min.</td><td>Max.</td><td>Fac.</td></tr><tr><td>diS</td><td>999 min</td><td>diS</td></tr></table>				Min.	Max.	Fac.	diS	999 min	diS
Min.	Max.	Fac.							
diS	999 min	diS							
23. CPr Parameter	Function: This parameter is used to reset Probe Fault.								
When set to, Aut = Fault reset Auto. MAn = Fault reset Manual. Example: Aut = If HT/LT fault is present then fault will clear automatically once temperature becomes healthy. Man = If HT/LT fault is present then fault will not be clear even if temperature becomes healthy. User has to clear that fault manually by ❄️ key. RST									
<table><tr><td>Min.</td><td>Max.</td><td>Fac.</td></tr><tr><td>Aut</td><td>MAn</td><td>MAn</td></tr></table>				Min.	Max.	Fac.	Aut	MAn	MAn
Min.	Max.	Fac.							
Aut	MAn	MAn							
24. Ad Parameter	Function: This parameter is used to set the time delay at Power ON for Fault Indication.								
Example: If this parameter is set to 20 minutes, once the controller is powered ON, no fault indication will be activated for 20 minutes. Alarm delay is used only for High Temperature and Low Temperature, but not for Sensor fail.									
 ON Fault is present <table><tr><td>Min.</td><td>Max.</td><td>Fac.</td></tr><tr><td>0 Min</td><td>99 min</td><td>20 Min</td></tr></table>				Min.	Max.	Fac.	0 Min	99 min	20 Min
Min.	Max.	Fac.							
0 Min	99 min	20 Min							
Note: This Parameter will be visible only when Htd ≥ 0 or Ltd ≥ 0.									
25. CF Parameter	Function: To select temperature unit.								
If this parameter is changed by the user, then SP, P2, P3, HS & LS parameters will get converted into selected unit. Temperature log will be reset. When set to, C = °C Selected.									
<table><tr><td>Min.</td><td>Max.</td><td>Fac.</td></tr><tr><td>C</td><td>F</td><td>-</td></tr></table>				Min.	Max.	Fac.	C	F	-
Min.	Max.	Fac.							
C	F	-							
F = °F Selected.									

26. rS Parameter	Function: To set Controller Temperature Resolution.						
This parameter when set to 0.1, it will take temperature related all parameters & Temperature in 0.1°C resolution.							
This parameter when set to 1, it will take temperature related all parameters & Temperature in 1°C resolution.							
Note: This Parameter will be visible only when CF parameter is set to C							
<table><tr><th>Min.</th><th>Max.</th><th>Fac.</th></tr><tr><td>0.1</td><td>1</td><td>-</td></tr></table>		Min.	Max.	Fac.	0.1	1	-
Min.	Max.	Fac.					
0.1	1	-					
27. PA Parameter	Function: To change Password.						
User cannot enter into Program Mode, if correct password is kept other than 0, user need to enter correct password to enter into Program Mode.							
If password is 0, user can directly access Program Mode.							
<table><tr><th>Min.</th><th>Max.</th><th>Fac.</th></tr><tr><td>-999</td><td>999</td><td>0</td></tr></table>		Min.	Max.	Fac.	-999	999	0
Min.	Max.	Fac.					
-999	999	0					
28. LP Parameter	Function: To lock Keypad.						
This parameter is used to lock the keypad so that tampering is not possible by by-standers.							
When set to,							
UnL = Keypad Unlocked.							
LoC = Keypad Locked.							
When locked all parameters can only be viewed, but not modified.							
Note: If LP Parameter is set to LoC and if user tries to change any parameter value, “LP” will flash on the display.							
<table><tr><th>Min.</th><th>Max.</th><th>Fac.</th></tr><tr><td>UnL</td><td>LoC</td><td>UnL</td></tr></table>		Min.	Max.	Fac.	UnL	LoC	UnL
Min.	Max.	Fac.					
UnL	LoC	UnL					
29. UP Parameter	Function: To upload the parameters to Pro-key.						
When set to “UPL” all parameters will upload to Pro-key.							
When set to,							
no = No action performed.							
UPL = Upload parameters to Pro-key.							
Switch off the controller and connect validated Pro-key to the controller as per connection sticker & Power Up the controller.							
User must set all parameters after Pro-key is connected to controller. Set this parameter to UPL. Display will show “UL” if parameters are uploaded to Pro-key.							
Display will show “Er” if uploading is failed or if Pro-key is not connected or invalid Pro-key.							
<table><tr><th>Min.</th><th>Max.</th><th>Fac.</th></tr><tr><td>no</td><td>UPL</td><td>no</td></tr></table>		Min.	Max.	Fac.	no	UPL	no
Min.	Max.	Fac.					
no	UPL	no					
30. FS Parameter	Function: To restore default settings of the Controller.						
When set to “YES” all parameters are programmed to factory set values.							
Useful to debug setting related Problems.							
When Set to,							
no = FS is Inactive.							
YES = FS as per Default Value.							
<table><tr><th>Min.</th><th>Max.</th><th>Fac.</th></tr><tr><td>no</td><td>YES</td><td>no</td></tr></table>		Min.	Max.	Fac.	no	YES	no
Min.	Max.	Fac.					
no	YES	no					
31. EP Parameter	Function: To Exit form Program Mode.						
To end programming Press “SET” key.	Once the key is pressed, the Controller goes into the Normal Mode and displays the Temperature and all settings are recorded.						

32. LED Indications			
	Compressor		Defrost
	ON: Compressor is ON.		
	OFF: Compressor is OFF.		ON: Defrost is in Progress.
	Time Delay		Power
	ON: Compressor is ON and in time delay for switching OFF. (Ot parameter)		ON: Controller is in stand-by mode.
	FLASHING: Compressor is in time delay and about to start.		OFF: Controller is in active mode.
	Buzzer Output		Battery
	ON: Buzzer Output is ON.		Battery indications when controller is ON with Battery only.
	OFF: Buzzer Output is OFF.		RED ON: Battery Low.
			RED FLASHING: Battery Fail / Replace Battery.
			GREEN ON: Battery is Healthy.
°C	When temperature is displayed in degree Celsius. (when CF=C)	°F	When temperature is displayed in degree Fahrenheit. (when CF=F)