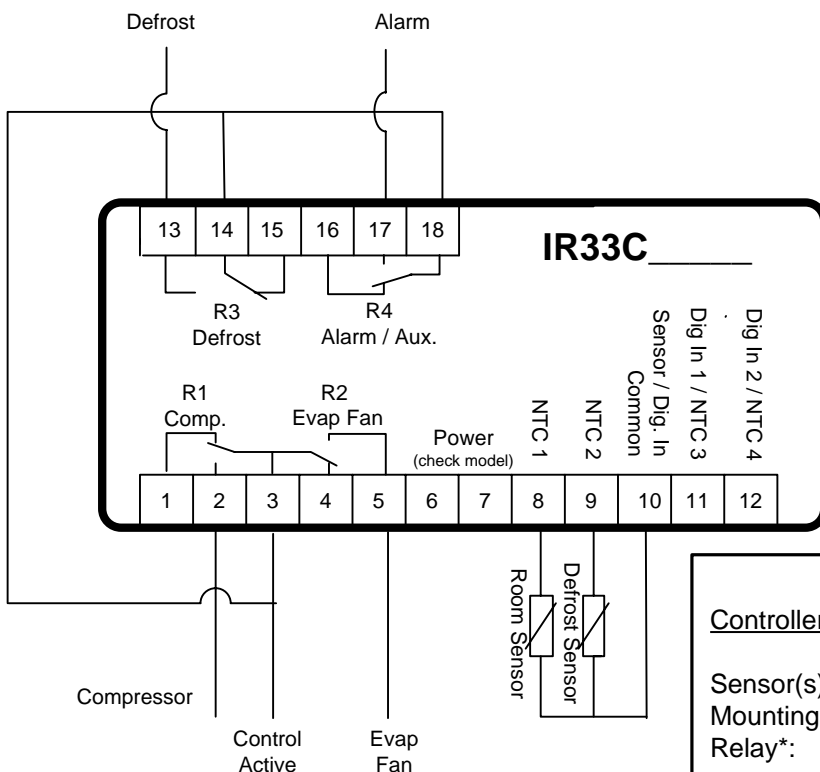


To use an IR33C in a standard freezer room application, only the following parameters need to be checked / adjusted.

(For other functions please refer separate programming sheets)

Code	Block	Description	Min	Max	Default	New
St	Ctl	Set Point			0.0	
rd	Ctl	Differential	0.1	20	2.0	
d0	dEF	Type of defrost (0 =electric - temp term.	0	3	0	
1 = Hot Gas - temp term, 2 =electric - time term, 3 =Hot Gas - time termination						
dl	dEF	Time between defrosts (hrs)	0	250	8	
dt1	dEF	Defrost termination temperature	0	200	4.0	
dP1	dEF	Duration of defrost (minutes)	1	250	30	
dd	dEF	Dripping time after defrost end (minutes)	0	15	2	
F2	Fan	Cycle fans with comp (0=No, 1 = Yes)	0	1	1	0
Fd	Fan	Fan delay (after dripping time)	0	15	1	
<b>If a defrost sensor is NOT required (time / time defrost only) - Also set d0 = 2 or 3</b>						
/A2	Pro	Function of sensor 2 (0=Not present 2 = Evap 1)	0	4	2	0
<b>If High Temp Alarm is required</b>						
AH	ALn	High alarm point (offset from set point)	-50	200	0.0	
eg Alarm point = St + AH (default setting)						
Ad	ALn	Alarm delay (minutes)	0	250	0	



### Wiring Tips

- 1) Relay's are rated at 250V 8A resistive. An external relay is required for loads such as compressors.
- 2) Always separate sensor cable from power.
- 3) Sensors can be extended. Suggest screened cable.
- 4) Terminal 10 is the common for the sensors. i.e Control Sensor is 8 & 10, Defrost Sensor is 9 & 10.

### Parts List

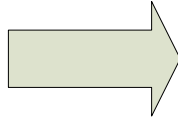
<b>Controller</b>	240V:	IR33C0HR00
	12/24V ac dc:	IR33C0LR00
<b>Sensor(s) (1 or 2):</b>		NTC015HP00
<b>Mounting Box*:</b>		IRBOX20000
<b>Relay*:</b>		RLY2402HP


(\* = if required)



Real Time Clock versions are also available (IR33C0\_B00)


## Set Point

Set point (cut out temperature) can be programmed as per the steps to the right or by adjusting parameter "St" in the programming section.



**PRESS & hold for 2 sec**  Set point value will be displayed

**PRESS**  **OR** 

**PRESS**  To confirm and save Set Point



(Or adjust parameter "St")



## Parameter Access


### "F" (frequent parameters)

**PRESS & hold for 5 sec**  "St" will be displayed

### "C" (configuration parameters)

**PRESS & hold for 5 sec**  &  "0" will be displayed

**PRESS**  **OR**  To display "22" (This is the Password)

**PRESS**  To confirm password entry

See steps below for parameter modification

## Parameter Modification

Once level "F" or "C" has been accessed


**PRESS**  **OR**  To display the parameter to be modified (eg rd = diff)

**PRESS**  To display the value the parameter is set to

**PRESS**  **OR**  To adjust the value of Of the parameter (eg rd = 2.0)

**PRESS**  To display code of the parameter modified eg rd

**Repeat above steps until all required parameters have been programmed**

**PRESS & hold for 5 sec**  This is **IMPORTANT**. Without this step your parameters will not be saved!

## Block Level Access


Block programming access allows the user to scroll between menu blocks rather than scrolling through the complete parameter list


Once level "F" or "C" has been accessed and a parameter code is displayed,

**PRESS for 1 sec**  To display block code eg Pro for Probes, dEF for defrost

**PRESS**  **OR**  To display the next block code (eg FAn for fan)

**PRESS** 

 Follow these steps to adjust individual parameters

**PRESS**  **IMPORTANT:** Press and hold **PRG** for **5 sec** when programming is completed (At any time to go back to block programming and repeat above)

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