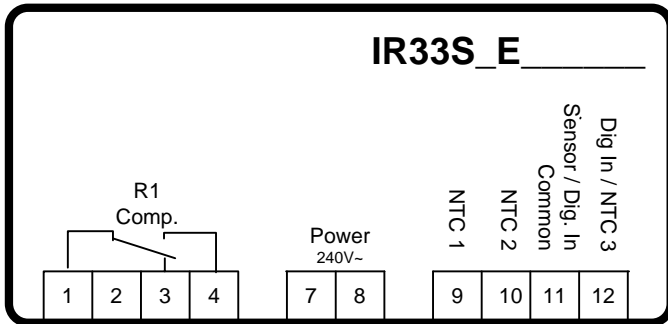


To use an IR33S in a standard cool room application, only the following parameters need to be checked / adjusted.

(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	
dl	dEF	Time between defrosts (hrs)	0	250	8	
dP1	dEF	Duration of defrost (minutes)	1	250	30	
<b><u>If High Temp Alarm is required</u></b>						
AH	ALn	High alarm point (offset from set point) eg Alarm point = St + AH (default setting)	-50	200	0.0	
Ad	ALn	Alarm delay (minutes)	0	250	0	
<b><u>If defrost is not required (eg cooling only)</u></b>						
r3	Ctl	Type of function (0 = cool with defrost 1 = cooling only, 2 = heating)	0	2	0	1



### Wiring Tips

- 1) Compressor relay (R1) is rated at 250V 8A resistive. An external relay is required for loads such as compressors.
- 2) Always separate sensor cable from power.
- 3) Sensor can be extended. Suggest screened cable.

Control Active To Compressor relay

### Parts List

Controller: IR33S0ER00  
 Sensor: NTC015HP00  
 Mounting Box\*: IRBOX20000  
 Relay\*: RLY2402HP

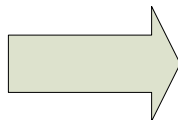
Panel mount 1 relay IR33 controller, 240V supply  
 NTC temperature sensor with 1.5m cable  
 Mounting box with precut hole for IR33  
 External relay 25A res SPST. Coil voltage 240V


(\* = if required)



Programming instructions on the reverse side


## 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)

For technical support contact;

CAREL Australia Pty Ltd – Sydney Head Office

Ph 02 – 9748 2855

Fax 02 -9748 0626

sales@carel.com.au

www.carel.com.au