Flower Cabinet Probe Amendments Programme

Scope;

Rectification of incorrect air on and air off probe allocation and Set point verification in V5 Dixell Controllers fitted to the IDF Integral Cabinet Range

Process for Correction will require access through the display keypad fitted to the front of the electrical control trays ADP01DD and ADP01FD mounted on the top of the cabinet.

Action Required will be to reverse the probe allocation from its current setting and check running parameters.

To accommodate this the cabinet needs to be switched on. No access to the inside of the control tray is required.

Note; Once the control tray is powered up there is approximately 1 minute to select the parameters list from 'PR2'

Process

1 / **Initial Visual Check of probe wiring**;

Each probe will be coloured differently and connected to a Male SKT010 plug connected as per the diagram below. The air 'ON' (return) probe should be visible through the grill on the lower case front. If wrong these will need correcting before proceeding to the next section

Control Tray External

Control Tray Internal

PROBE NUMBERING
1. AIR ON
2. AIR OFF

Purple Leads → AIR ON

Green Leads → AIR OFF

PROBES

BROWN
WHITE
RED

SKT010

Male Plug →

PRODUCT

Purple Probe visible through of the air return grill by the Left-Hand Evaporator Fan

Page 1
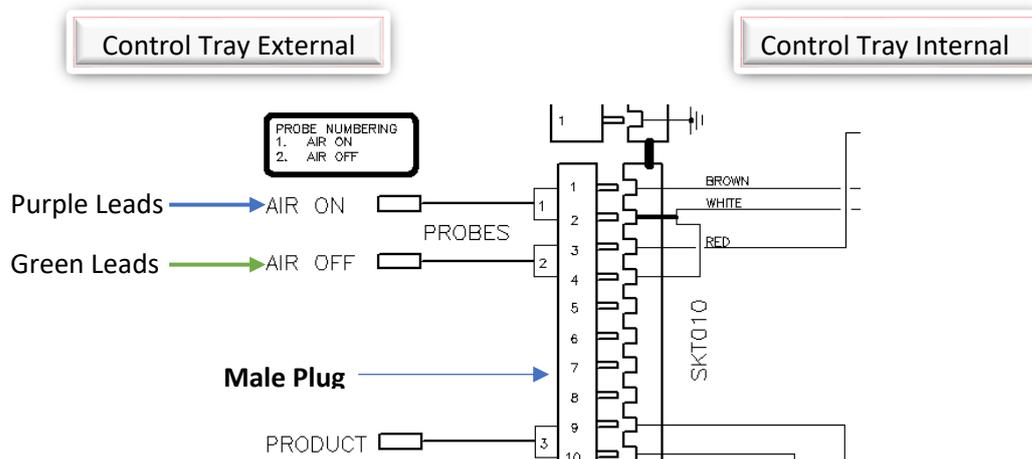
2/ Change Probe Configuration.

ENTER PARAMETERS LISTS "PR1 and PR2"

1/ Enter the programming mode by pressing the 'Set' and the 'Down' key simultaneously for a few seconds until the display starts blinking.

2/ The display will show the first parameter in 'PR1'
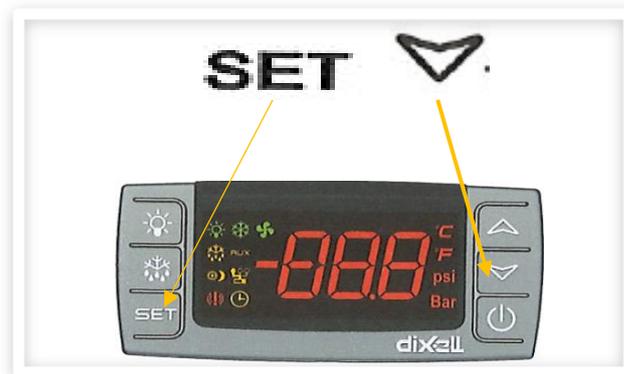
3/Access to the second parameter list is now required and is achieved by using the up or down key on the right hand side of the Keypad until 'Pr2' shows.

4/ With 'Pr2' showing , press the 'SET' key.

5/ As a password is required the message 'PAS' will flash shortly followed by '0 _ _' with the Zero Flashing.

6/ To apply the password '321'

Use the Up Or Down key on the righthand side until the first figure 3 is selected and press 'SET'

Repeat this for the second digit and press 'SET'

Repeat this for the third digit and press 'SET'

7/ This will now give access to the second parameter list and by using the up or down keys go to the parameter 'rPA' and press 'SET'

8/ The existing Parameter will show '1' and needs to be amended to '2' by using the UP key. Press set to lock in the parameter and to escape to the parameter list

9/ Press the up or down key to select the next parameter to 'rPB and press 'SET'. The existing parameter will show '2'. By using the down key select '1' and Press 'SET' to lock in the parameter and escape to the parameter list.

Page 2

3; **Check Set Points**

10/ Continuing from item 9 above, use the up or down key to access the parameter 'rPE' This is a percentage scale and will require setting at '100'. Press the 'SET' key to lock in the parameter. (This sets the ratio of the probes enabling the cabinet to run on Air Off Probe temperature.)

11/ Returning to the menu search for 'Hy' by using the up or down button. Press set and the current value will be displayed which should read '6'. If not, then use the up or down keys and set to '6'. Press the set key to lock in the setting and escape to the parameter list. (This has set the cabinet temperature cut in point)

12/ To Exit the programmes Press the SET and the UP key simultaneously; release and then wait for 15 seconds or so.

13/ When the case display reverts to normal, Enter the programming mode by pressing the 'Set' and the 'Down' key simultaneously for a few seconds until the display starts blinking. The display will show the first parameter in 'PR1'

14/ By using the up or down keys go to 'SEt' and press set. The cabinet set point will be displayed and should read '31'. If not, use the up or down keys to set at '31'. Press the set key to lock in the parameter and escape to the parameter list. This will set the cabinet cut out point and with having set item 10 'Hy', the case will cut in at 37℉ and out at 31℉

Information for the process can be found in the Controller Manual under the following sections;

- ➢ ENTER INTO PARAMETERS LIST "PR1" Section 4.6
- ➢ ENTER INTO PARAMETERS LIST "PR2" Section 4.7
- ➢ HOW TO CHANGE PARAMETER VALUE Section 4.8

If a check is required to ensure that the parameters are now re-set the process can be repeated by restarting the controller.

Page 3