HEVAC HTC DIGITAL SERIES STEP BY STEP GUIDE FOR COMMON PROGRAMMING

How to lock – unlock controller.
- **Press TEMP/ACCEPT and UP button together for 5 (sec) until Loc- (unlocked), Loc L (setpoint adjustment only) or Loc H (controller totally locked) is displayed.**
- **Simply press the up or down button to the lock status you require is displayed and press the TEMP/ACCEPT button.**

What to do if the controller displays 'HELP'.
- **Turn the power off to the controller for at least 10 secs then turn it on.**
- **Press all four buttons together for 5 secs till display reads CLR.n, press the up button for CLR.Y now press TEMP/ACCEPT button. This resets the controller and loads in a 2 Heat 2 Cool program with ON/OFF times Mon – Fri 8-5.30PM.**
- **Make sure to check the controller is wired to suit above application otherwise manual programming is advised.**
- **It is advisable to check the controller displays the correct time and date which will be outlined below.**

How to change the clock.
- **Press and hold the TIME/ESCAPE button for 5 (sec) till ts 1 is displayed.**
- **Press up button twice till Cloc is displayed.**
- **Press TEMP/ACCEPT**
- **Press up or down till correct hour is displayed**
- **Press TEMP/ACCEPT**
- **Press up or down till correct minute is displayed**
- **Press the TEMP/ACCEPT**
- **Done appears on the display**
- **Press the TIME/ESCAPE**

How to change the date.
- **Press and hold the TIME/ESCAPE button for 5 (sec) till ts 1 is displayed.**
- **Press up button three times till dAtE is displayed**

- Press TEMP/ACCEPT
- Press up or down button till correct day of month is displayed, press TEMP/ACCEPT
- Press up or down button till correct month is displayed, press TEMP/ACCEPT
- YEAr is now displayed, press TEMP/ACCEPT then press up or down button till 20 is displayed
- Press TEMP/ACCEPT
- Press up or down till correct year is displayed
- Press TEMP/ACCEPT button
- Day is now displayed, Monday = d AY 1, Sunday = d AY 7, press up or down button till correct day is displayed, press TEMP/ACCEPT button.
- DonE is displayed, press TIME/ESCAPE BUTTON.

How to load pre-loaded programs 1 HEAT 1 COOL, 2 HEAT 2 COOL, 2 HEAT 2 COOL PLUS ECONOMY CYCLE, HEATING AND COOLING VALVE PLUS HWP & CWP RELAYS.
- Press TEMP/ACCEPT 5 (sec) till LOAD is displayed
- Press TEMP/ACCEPT till Pr—is displayed
- Press up button till Pr 02 (1 HEAT 1 COOL) OR Pr 03 (2 HEAT 2 COOL) is displayed
- Press TEMP/ACCEPT done is displayed
- Press TIME/ESCAPE

How to check the and/or change the current programmed on/off times.
- Press TIME/ESCAPE 5 (sec) till ts 1 is displayed
- Press TEMP/ACCEPT till CLr.n is displayed
- Press TEMP/ACCEPT, Day 1 is displayed (Monday)
- Keep pressing TEMP/ACCEPT to view the current programmed on/off times. These times can be altered simply by pressing the UP or DOWN button and pressing the TEMP/ACCEPT.
- Once times have been checked or altered press the TIME/ESCAPE button twice to exit

How to program after hours mode.
- Press TIME/ESCAPE 5 (sec) till ts 1 is displayed
- Press up button 7 times till Ahr is displayed
- Press TEMP/ACCEPT

- Press up or down button till desired after hours time
- Press TEMP/ACCEPT
- Done appears
- Press TIME/ESCAPE
- The SYS ON LED will ONLY blink for the pre determined AHR time and only when after hours has been initiated

When the controller displays VENT (VEnt)
- VENT is caused by open circuiting the sensor wires B&M which operates the FAN only for a free cooling effect
- On rare occasions VENT is displayed after a spike or loss of power to the controller. Refer to section What to do if HELP is displayed to rectify

When the controller displays r OFF
- By short-circuiting sensor terminals B&M the controller displays r OFF. This inturn disengages all outputs thus remotely turning the controller off.
- Look for a switch on the sensor or mounted remotely, turn to the on position to rectify
- You can also turn the controller off via the faceplate by momentarily pressing together the TIME/ESCAPE and down buttons. To turn the controller back on press the TEMP/ACCEPT button.

To put the controller in after hours mode
- Either press & hold momentarily the TEMP/ACCEPT & TIME/ESCAPE BUTTONS or short terminals M&XT via momentary make push button

24Hrs 7 Day a week HTC-DIGITAL-TC
- Press TIME/ESCAPE for 5 sec till TS1 is displayed
  Press TEMP/ACCEPT display will show CLR.n
  Press up button till display shows CLR.y
  Press TEMP/ACCEPT BUTTON once, display will show DAY 1
  Press up button till display shows DAY 9, then press TEMP/ACCEPT
  Display will now show ON ,press TEMP/ACCEPT
  Press down button till hour shows 00, press TEMP/ACCEPT

Press up button till minutes show 01, press TEMP/ACCEPT
Display will show OFF, press TEMP/ACCEPT
Press up button till hour shows 23, Press TEMP/ACCEPT
Press up button till minutes show 59, press TEMP/ACCEPT
Display will now show DONE, press TIME/ESCAPE

Controller will now be programmed for as close to 24hr operation as it can. It will go OFF between 23.59 PM and ON at 00.01 AM daily.

How to program controller to accept an input from an adjustable sensor.

Press TEMP/ACCEPT 5 (sec) till LOAD is displayed
Press Up button till Rsp1 is displayed
Press TEMP/ACCEPT button
Press up button till 4.0 is displayed
Press TEMP/ACCEPT button, display will show DONE
Press TIME/ESCAPE button
The controller is now programmed to accept an input from a Hevac adjustable sensor 4 degrees either side of setpoint

Note a 3rd wire will need to be run from the controller (terminal R1) to the sensor (terminal 1)

Optimised Start (OPT) means the system is under control of the Optimised start feature. This feature causes the system to start at the latest possible time yet still achieve setpoint at normal occupancy time. To enable Optimised start (OPT)…
Press TIME/ESCAPE 5 (sec) till TS1 is displayed
Press Up button till Opt is displayed
Press TEMP/ACCEPT button
Press the UP or Down button to unable (y) or disable (n) the Optimised start feature
Press TEMP/ACCEPT button, display will show DONE
Press TIME/ESCSAPE button

How to program HTC DIGITAL series controller to drive a slave controller (HRC4-DIG, HRC4-DE-DIG etc.

Press TEMP/ACCEPT button 5 (sec) till LOAD is displayed
Press Up button till Yh Yc is displayed
Press TEMP/ACCEPT button
Press Up button till Yh. Y is displayed
Press TEMP/ACCEPT button
Press TEMP/ACCEPT button to accept db0.1 (deadband)
Press TEMP/ACCEPT
Press UP button till Pb = 5.0 (proportional band)
Press TEMP/ACCEPT button
Press TEMP/ACCEPT button to accept bAr.n
Press TEMP/ACCEPT button
Press UP button till Yc.Y displayed
Press TEMP/ACCEPT button
Press TEMP/ACCEPT button to accept db0.1 (deadband)

Press TEMP/ACCEPT
Press UP button till Pb = 5.0 (proportional band)
Press TEMP/ACCEPT button
Press TEMP/ACCEPT button to accept bAr.n
Press TEMP/ACCEPT button
DONE now appears, press TIME/ESCAPE button twice

Note, the slave output is generated out of terminal YB on the HTC DIGITAL series controller which is then looped to termainal B on the HRC series slave relays.

Important notes.

- **Always make sure the controller is on the right time, date and day. See how to change date.**
- **The controller needs an on & off time for it to initiate. Eg on at 8.00am off at 17.30pm.**
- **The controller does not recognise 00.00 (12am) as on off time as it is a new day. Always make sure the off time is programmed in the same day as the on time.**
- **If you want to run the HTC DIGITAL TC controller 24hrs then the on and off time MUST be programmed in the same day. Eg on at 00.01 am and off at 23.59pm. See 24Hrs 7 Day a week**
- **There are shortcut or block on/off time programs Mon-Fri (Day 8), Mon-Sun (Day 9), each day will have the same on/off time.**
- **On the HTC DIGITAL controller (non time clock version) be sure that relay 5 is programmed as Sr (Fan). Refer to Relay programming step in manual which is available at Hevac's website www.hevac.com.au.**

This is published in the hope if simplifying the process of programming the Hevac range of HTC DIGITAL controllers. Please feel free to call any of our friendly staff who can assist you further should you continue to have difficulties.

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