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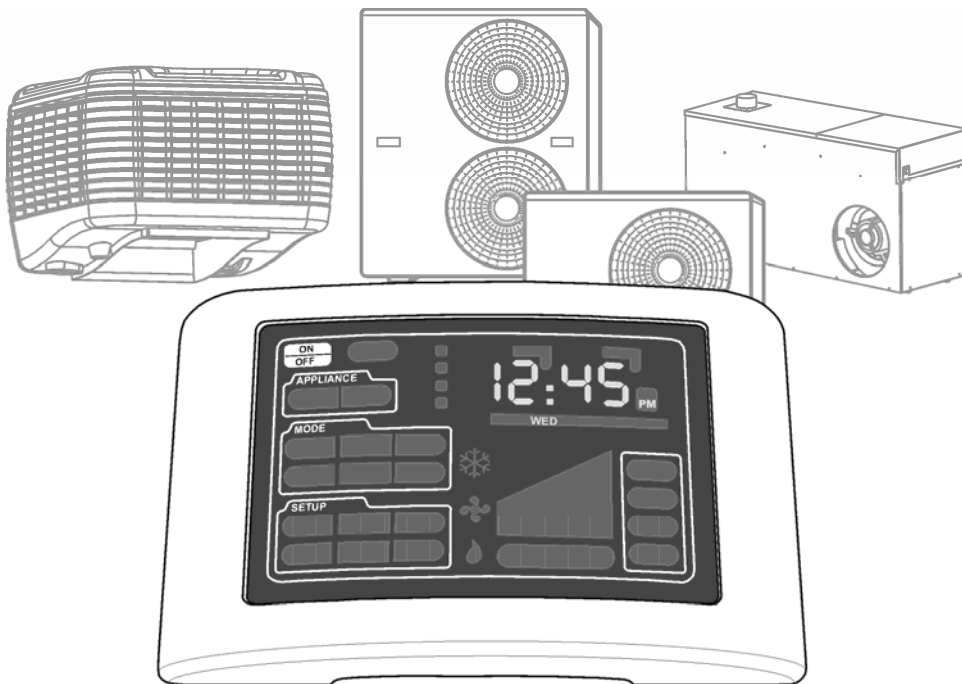
## Commissioning / Setup

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*Setting up multiple appliances with the*

*PNE*

## ***Touch Pad Control***



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## Multiple Unit Setup

This instruction is for PNE touchpad controls connected to compatible Bonaire EAC and or Vulcan & Pyrox gas central heaters.

The Bonaire EAC units compatible are fitted with the “2003S” control system. This will be indicated by the label on the control box inside the unit. The control box will also be Grey in colour.

The Vulcan & Pyrox gas central heating units compatible are fitted with control boards that include an external reset button.

### CONNECTING ALL THE UNITS

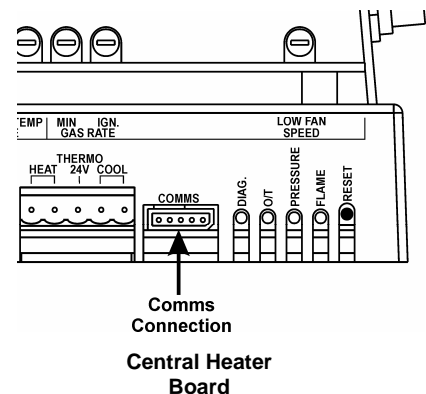
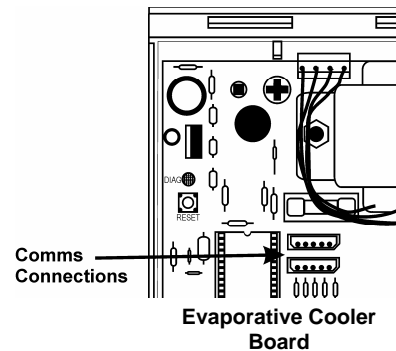
**Step 1** Before connecting the comms looms, ensure the power is isolated to all the units being connected.

**Step 2** Connect the touchpad to the first appliance using the PNE connection loom.

**Step 3** Connect all appliances together in a daisy chain effect using the PNE connection loom.

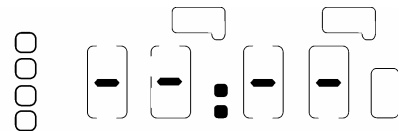
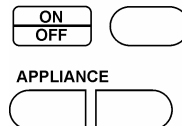
For evaporative air conditioning, the control is fitted with a spare comms port. The comms ports are parallel connected on the control board, so there is no required sequence for connection on each control board.

For ducted central heating, the control is only fitted with one comms port. For multiple connections of central heaters, a home automation module will be required for each unit to be connected in the daisy chain.



### CODING THE UNITS

**Step 1** Turn the power on to the 1<sup>st</sup> unit only connected to the touchpad. The unit will no auto-code itself to the touchpad. This is indicated by the 4 dashes on the screen.



**Step 2** Once the coding process has complete, turn the unit on to verify the coding has completed itself correctly.

**Step 3** Turn the power on to the next unit to code and allocate the code / zone required.

See next section for coding and allocation of additional units.

## Multiple Unit Setup

### CODE / ZONE ALLOCATION OF ADDITIONAL UNITS

**Step 1** Turn the power on to the next appliance being coded. Check the green LED is visible.

**Step 2** Press and hold the RESET button in the control box (EAC) or on the control board (Gas Central Heating) for 25 seconds.

At the 25 second mark, the green LED will start to flicker. Do not release the button at this point.

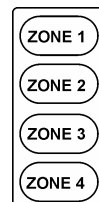
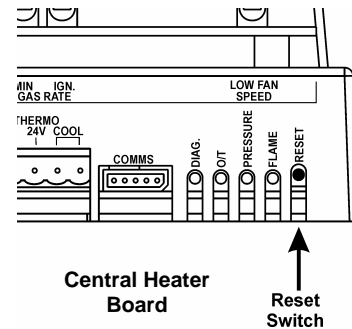
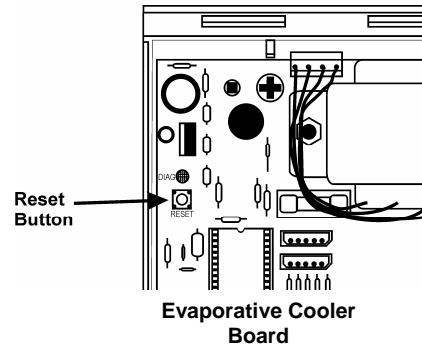
**Step 3** The LEDs will now be flickering in sequence 1 through to 4 flickers for EAC and 1 through to 8 flickers for central heating with a pause in between each set of flickers. To allocate the unit to the correct code / zone, release the reset button immediately after the required number of flickers has completed.

See the tables below for the number of flickers to allocate a unit.

**Step 4** Move to the next unit and perform the same procedure as in Step 2 and Step 3, to allocate a code number to each unit. Once the unit is coded, the power can remain turned on to the unit.

Each unit can be assigned to a different code number for switching through the zone control panel OR each unit can be assigned to the same unit allocation number for a non zoned (single) switching operation.

**Step 5** Once all the units have been assigned an allocation / code number, a forced scan at the touchpad control will need to be conducted so the touchpad can find all the units.



#### Evaporative Air Conditioners

LED Flickers	Unit Code	Unit Identification Code
1	0017	E01
2	0018	E02
3	0019	E03
4	0020	E04

#### Gas Central Heaters.

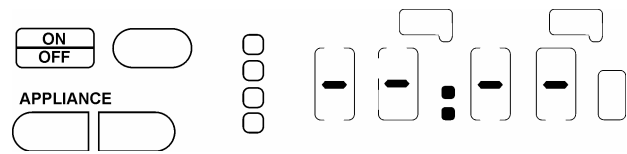
LED Flickers	Unit Code	Unit Allocation Code
1	0021	H01
2	0022	H02
3	0023	H03
4	0024	H04
5	0025	HC01 (with add on cooling)
6	0026	HC02 (with add on cooling)
7	0027	HC03 (with add on cooling)
8	0028	HC04 (with add on cooling)

## Multiple Unit Setup

### FORCED SCAN

To force a scan for new equipment

- Step 1** Turn the touch pad ON
- Step 2** Turn the touch pad OFF and keep holding the ON-OFF icon until the clock area shows - - - -.



Release the ON-OFF button and the touch pad will scan for the new unit and re-initialise.

- Step 3** When the time clock returns to normal, turn the touch pad on and check the all the units have coded successfully. If the units have been allocated to different zones, turn the zones on to check unit operation.

- Step 4** If a unit did not code correctly, restart the process from

#### CODE / ZONE ALLOCATION OF ADDITIONAL UNITS – Step 2

- Step 5** The Forced Scan coding function will allocate the units that have been manually assigned to the designated area e.g. evaporative air conditioning E01, E02, E03 or E04 or ducted heating HC01, HC02, HC03 or HC04 etc. to the relevant zone icon on the touchpad control.

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