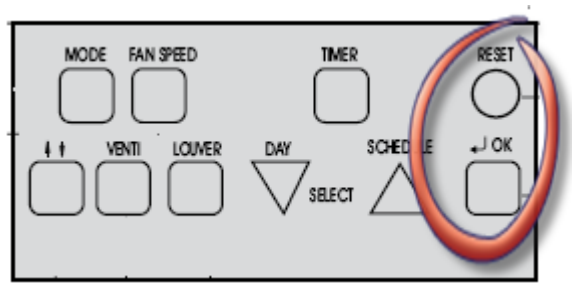
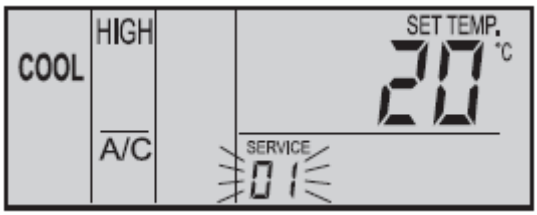
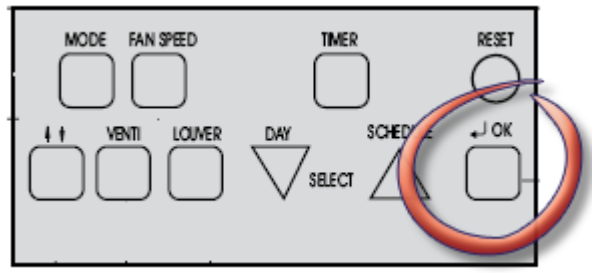
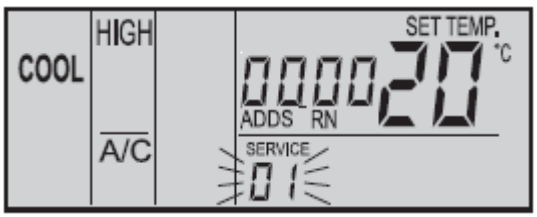
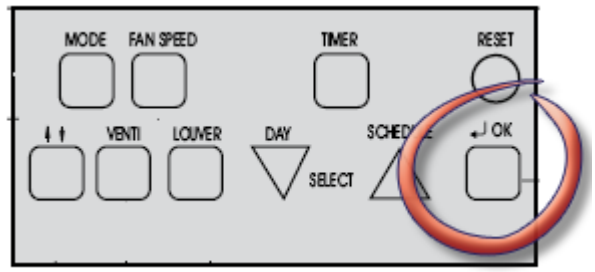
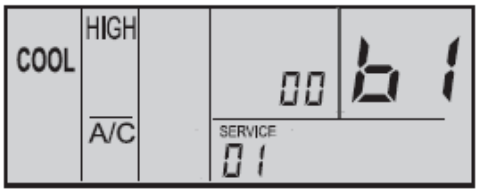
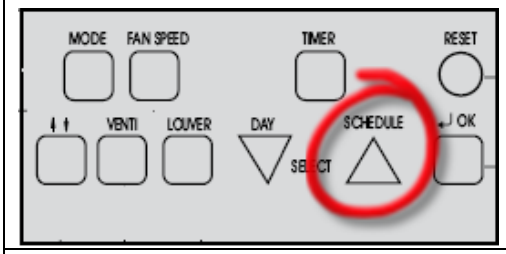
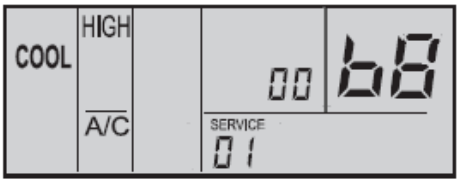
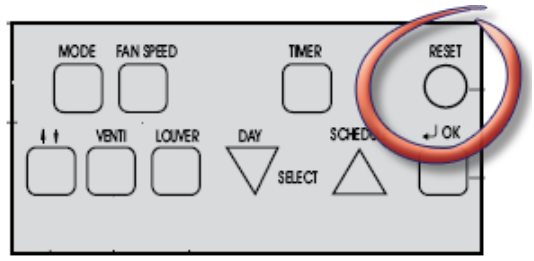
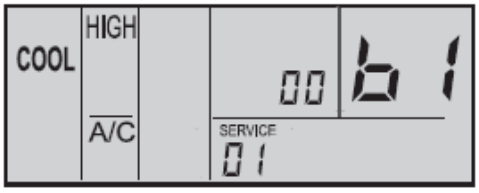
Technical Bulletin

Number	028
Subject	Setting Optional Functions
Date	28 March 2011

This is a step-by-step guide to enabling additional functions on Hitachi Utopia and Set-Free products via the standard PC-P2HTE or PC-ART remote controller

Instruction	**Status**
1) Ensure Remote Controller is "**OFF"**	
2) Press "**OK"** and "**RESET**" together for more than three seconds 	Service Mode status "**01**" will appear in the bottom window.  Service Mode "01" is what we need to enter in order to set up optional functions.
3) Press "**OK**" 	Address "**00**" "**00**" will show in top window.  *The first **"00"** digits represent the indoor unit address.* *The second **"00"** digits represent the outdoor (**R**efrigerant **N**umber) unit address.*
4) Press the Temperature Down button once 	Address display in top window will change from "**00**" "**00**" to "**AA**" "**AA**" (all units) This setting is the most advisable when doing any modification. *You would only select a specific indoor unit if you were commissioning a large group of units, such as a number of fan coils on a VRF system.*

5) Press "**OK**" 	Optional setting "**B1**" will appear in top right window. The "**AA**" "**AA**" display will be replaced by "**00**" status. 
6) Press "**SCHEDULE**" continuously to scroll through to required function code, in this case, "**B8**" – Automatic Cool/Heat Operation 	Indication "**B8**" will appear in top right window. ("**B8**" is the Indication for Auto. "**00**" is the status which is **Auto Operation** - **OFF**.) 
7) Press "**OK**" *This will scroll through the required optional setting for "**B8**" – Automatic Cool/Heat Operation* ***00 – Auto Mode not available*** ***01 – Auto Mode available*** *(See page 3 for full list of functions)*	Status "00" will change to "01". "**01**" is **Auto Mode available**
8) Press **"RESET"** 	Remote controller will return to normal operation mode.
9) Turn remote controller "**ON"**	Normal Operation. (For this example, press **MODE** button to ensure AUTO operation is working)
10) Repeat above instruction, this time selecting mode **"B1".** *Mode **"B1"** will eliminate the factory set heating temperature offset of 4℃.*	

Popular Settings.

Full list of functions available on request

Item	Optional Function	Set	Desc.	Content
b1	Removal of 4°C heating calibration setting	00	Not avail	Used to eliminate the 4° shift (always set up when selecting b8 – Auto Operation
		01	Avail	
b4	Change of filter cleaning time	00	Standard	Change the time and frequency that the FILTER warning light appears.
		01	100 Hrs	
		02	1200 Hrs	
		03	2500 Hrs	
		04	None	
b5	Fixing the operation mode	00	Not avail	Lock the Cooling or Heating function on the remote controller
		01	Avail	
b6	Fixing the set temperature	00	Not avail	Lock the temperature setting on the remote controller
		01	Avail	
b7	Cooling Only operation	00	Not avail	This mode sets the system up as a Cooling Only mode.
		01	Avail	
b8	Auto Mode	00	Not avail	Enables AUTO operation mode on the remote controller (also set B1)
		01	Avail	
b9	Fixing the fan speeds	00	Not avail	Lock the fan speed setting on the remote controller
		01	Avail	
Cb	Enforced Stoppage logic	00	Input A	Forced stoppage (Fire alarm) input from PCC-1A
		01	Input B	
C5	Increasing fan speed based on ceiling height (RCI/RCD cassettes only)	00	3.2m	This function will adjust the fan speed based on the actual ceiling height.
		01	3.2 – 3.6m	
		02	3.6m	
d1	Auto Restart after power failure	00	Not avail	The unit will restart following a power failure, restoring its previous state.
		01	Avail	
d3	Unit ON after power failure	00	Not avail	The unit will restart when power is restored following a failure, regardless of previous state.
		01	Avail	