

# Technical Information

## Air Conditioner

### Subject: Advance Parallel Bivalent Mode

 **WARNING**

This service information is designed for experienced technicians only and is not designed for used by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

### CONTENTS

- 1. Background ..... 2
- 2. Advanced Parallel Bivalent mode..... 2
- 3. Models Concerned..... 3

# 1. Background

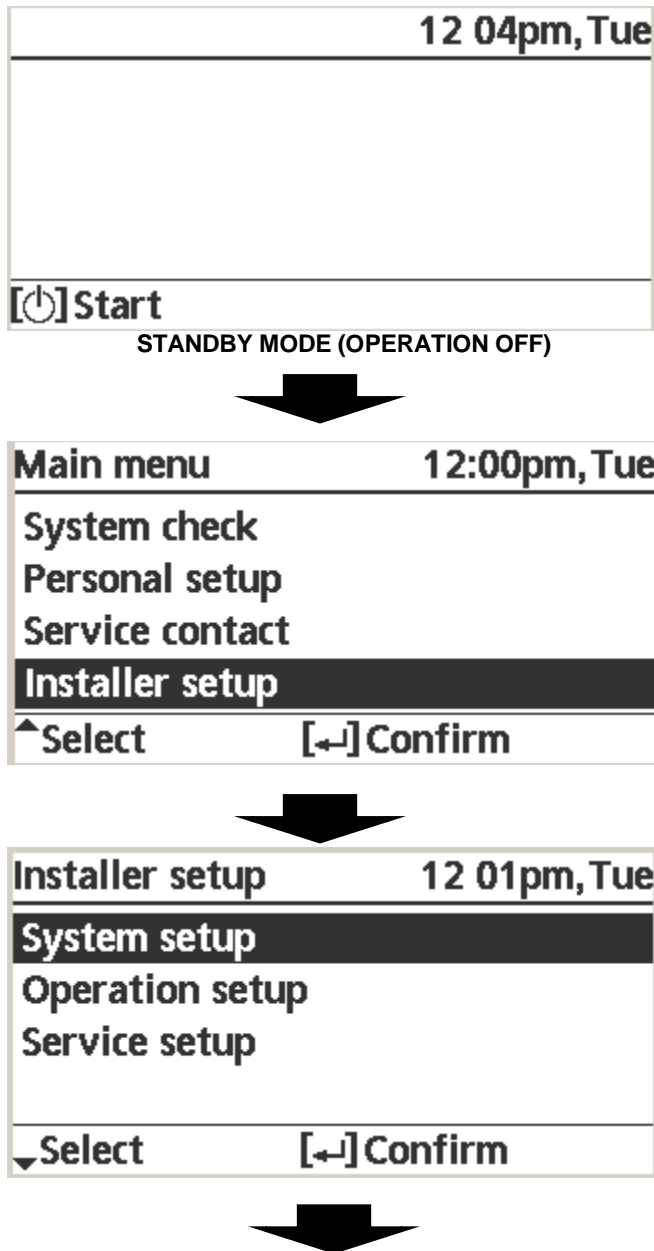
Bivalent connection enables an extra heat source such as a boiler to be used for heating and tank modes to support the heat pump's capacity during low temperature conditions.

Parallel and alternative bivalent connection modes do not require buffer tank connection to be set in the system setup, but buffer tank connection **MUST** be set to YES for the advanced parallel bivalent mode.

# 2. Advance Parallel Bivalent mode

In order to set the system to use a boiler in the advance parallel bivalent mode, the BUFFER TANK CONNECTION option in the SYSTEM SETUP menu **MUST** to be set to YES beforehand.

Please check that the correct settings have been applied by going through the below steps:



<b>System setup</b>	<b>7:37, Thu</b>
Anti freezing	
Tank connection	
<b>Buffer tank connection</b>	
Tank heater	
↕Select	[←] Confirm



<b>Buffer tank</b>	<b>7:37, Thu</b>
<b>Yes</b>	
▼	
No	
↕Select	[←] Confirm

Choose YES and then press CONFIRM to save the setting in the memory.

If the installer fails to do this, the boiler will not operate even when the set conditions in the ADVANCE PARALLEL BIVALENT are fulfilled.

### 3. Models Concerned

Model
WH-SDC03H3E5
WH-SDC03H3E5-1
WH-SDC05H3E5
WH-SDC05H3E5-1
WH-SDC07H3E5
WH-SDC07H3E5-1
WH-SDC09H3E5
WH-SDC09H3E5-1
WH-SXC09H3E5
WH-SXC09H3E8
WH-SXC12H6E5
WH-SXC12H9E8
WH-SXC16H9E8
WH-SQC09H3E8
WH-SQC12H9E8
WH-SQC16H9E8
WH-SDC09H3E8
WH-SDC12H9E8
WH-SDC16H9E8
WH-ADC0309H3E5
WH-ADC0309H3E5UK
WH-ADC0916H9E8
WH-ADC1216H6E5
WH-ADC1216H6E5UK