

## PRODUCT BULLETIN PB057

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**SUBJECT:- Time clock operation & Run & Fault Indication.**

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**MODELS EFFECTED:-**

- All DS & EMD Ducted units.
- All UA & EF Cassette units.
- All GS, PX & PRX Floor Console / Underceiling.
- All WS & WMN Wall Mounted split systems.

**GENERAL:-** Time Clock operation & limited Run & Fault indication is a standard feature of the above models.

### **TIME CLOCK OPERATION** via “CLK” Terminals.

Using the blue terminals marked “CLK” terminals on the main controller PCB on the indoor unit. The unit can be turned ON and OFF remotely via a time clock, remote switch or motion sensor. The contacts must be voltage free and shielded cable is strongly recommended. When the contacts are closed the unit turns on, (after a 5-second delay) when the contacts are opened the unit will stop (again after a 5-second delay).

This function works with the remote controller, both the remote controller & CLK terminals operate the unit and neither has priority over the other. **The last signal received is the commanding signal.** If you turn the unit on via the CLK terminals and then off via the remote controller, the unit will then turn off even if the CLK terminals are still shorted. You will then have to open the CLK terminals and close them again for the unit to restart, via the CLK terminals.

It is possible to commission the unit and set the unit up to AUTO heat/cool, any fan setting & temperature setting and put the remote control away forever, turning the unit on & off via the CLK terminals only. The unit will restart as pre-set even after a power failure.

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**RUN & FAULT INDICATION.**

Run & fault indication exists as at standard feature on these units. However **remote** run & fault indication to a building services system is not possible at this time.

**Run Indication.** “operation LED” There is a GREEN LED on the face of the Wall Splits, Cassettes and Floor Consoles and on the remote receiver of the Ducted units, (marked “OPER” on the ducted wall receiver). This will light up when the unit is turned on. It will also flash at times this is indicating that the unit is in protection mode or defrost mode. This is normal operation and is not a concern.

**Fault indication.** There is a RED LED on the face of the Wall Splits, Cassettes and Floor Consoles and on the remote receiver of the Ducted units, (marked “STBY” on the ducted wall receiver). This RED LED is the power indicator. The LED is always on solid red when there is power. When the unit has a fault this RED LED will begin to flash on & off. This is indicating a FAULT and the unit should be then put into its “Self Diagnostic Mode” **Refer to Service Bulletin SB033.** No other form of fault indication, remote or otherwise, is available at this time.

**HEAT & COOL LEDS**

The Heat & Cool LEDs on the face of the Wall Splits, Cassettes and Floor Consoles and on the remote receiver of the Ducted units are only illuminated when the manual MODE button is pushed. Refer MODE BUTTON below. These Heat & Cool LEDs **DO NOT** illuminate when the remote control is used in normal operation. They are also used in the Self Diagnostic operation. **Refer Service Bulletin SB033.**

**MODE BUTTON.**

The mode switch is located under the filter panel for Wall splits & Cassettes and the infra red remote receiver of the ducted units. The MODE button is for manual operation in the case of a lost remote controller. Push the MODE button to start the unit on manual Cooling, the cool LED will light up, (it will operate at a temp setting of 18°C only), push again for manual Heating, the heat LED will light up, (it will operate at a temp setting of 27°C only), push the mode button again for Off.

**RESET BUTTON. Wall Split Systems ONLY**

The reset button on the front of the unit under the filter panel can be used for the following functions:-  
Dirty Filter reset.                      Reset PCB and clear all programs.

To stop the BEEP function of the unit push the reset button once, to reinstate the BEEP function push it again.

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