



ABN 49 003 452 551

## PRODUCT BULLETIN : HAN-L5(B)/PCB-058V2. SUBJECT : 99 SERIES PCB-058V2 POWER RELAY BOARD.



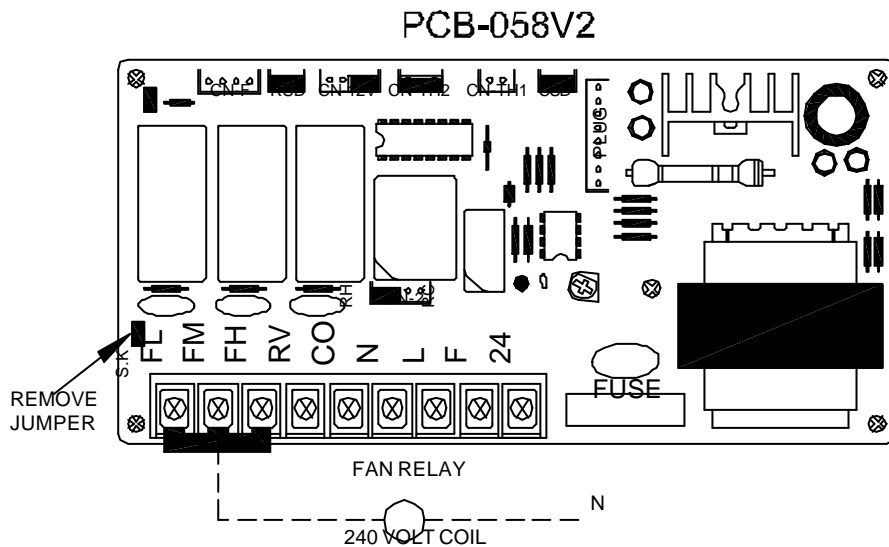
**PCB-058V2 Power Relay Board.** The PCB-058V2 is now supplied as standard with the 99 series HAN-L5 microprocessor controller and is optional with the HAN-L5B. The PCB-058V2 power relay board comes as standard with connecting plugs to enable the many accessories available for the HAN-L5 to be used without ordering a special PCB.

**System warm up function.** The PCB-058V2 has a plug connection CN-TH2 which allows the connection of an indoor coil sensor. With this sensor fitted, during cold weather on a cold start the indoor fan motor is held off until the indoor coil reaches the correct operating temperature. This ensures the correct feed of refrigerant to the outdoor coil so that the complete outdoor coil surface area is fully active, resulting in more efficient heat absorption. The warm up time for most heat pump units is improved dramatically from up to 30 minutes or longer down to 2 to 3 minutes. During the defrost cycle in heat mode the indoor fan stops automatically as the indoor coil temperature drops and is held off until the indoor coil temperature rises to the correct operating temperature at the completion of the defrost cycle. The coil sensor CN-TH2 is available as an optional accessory.

**Low voltage plug connection "CSD"** allows connection of safety controls (HP/LP - HIGH LIMIT T' STAT - FIRE TRIP - ETC) where a lockout system is required. On a safety control trip the controller switches the air conditioner off. Once the safety control has reset, the unit can be restarted by simply pressing the ON/OFF button on the front of the HAN-L5.

**Low voltage plug connection "RSD"** provides the connection to an external voltage free control contact where it is required to start and stop the air conditioner using an external switch device. Some applications include remote switching from a digital phone interface, key tag switch in serviced apartments or hotel rooms or fire trip where it is required for the air conditioner to restart automatically after the fire trip is cleared.

**PCB-058V2 installation with external evaporator fan relays.** When used with air conditioners with 3 phase evaporator fan(s) where an external fan relay is to be driven from the fan outputs of the PCB-058V2, remove jumper "SK" located beside "HF" terminal.



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