

ABN 49 003 452 551

Bulletin No. : CON-05A Date : October 1999

APPLICATION BULLETIN: HAN-L5(B)/2S. SUBJECT: HAN-L5 2 STAGE CONTROL.

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The HAN-L5(B)/2S is designed for installations with 2 stage heat pump air conditioners or 1 stage units with a 2nd stage boost electric heater.

NOTE 1 - LINKS.

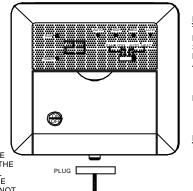
- FOR FULL 240V CONTROL, LEAVE LINKS BETWEEN TERMINALS L-F-24.
- ◆FOR SYSTEMS REQUIRING 24V OUTPUTS FOR COMPRESSOR & REVERSING VALVE, REMOVE LINK BETWEEN F & 24 AND SUPPLY 24V TO TERMINAL 24.
- ◆FOR SYSTEMS REQUIRING 24V FAN OUTPUTS, REMOVE LINK BETWEEN L & F AND SUPPLY 24V TO TERMINAL F.
 ◆FOR SYSTEMS REQUIRING 24V ON ALL
- ♦ FOR SYSTEMS REQUIRING 24V ON ALL OUTPUTS, REMOVE LINK BETWEEN L & F, LEAVE LINK BETWEEN F & 24 AND SUPPLY 24V TO EITHER TERMINAL F OR 24.

NOTE 2 - SYSTEM WARM UP ACCELERATOR OPTIONAL.

SENSING BULB LOCATION.

IT IS ESSENTIAL THAT THE SENSOR IS LOCATED WHERE THE HOT GAS ENTERS ONE OF THE REFRIGERANT CIRCUITS IN THE EVAPORATOR. GENTLY OPEN THE FINS IN THE INDOOR COIL ON THE LEAVING AIR SIDE AND IMPLANT THE SENSOR IN THE COIL AS CLOSE AS POSSIBLE TO THE COPPER TUBES. IT IS NOT RECOMMENDED THAT THE SENSOR BE CLIPPED TO A RETURN BEND AS POOR HEAT TRANSFER WILL PREVENT CORRECT OPERATION OF THE CONTROL. DO NOT INSTALL ON THE INDOOR COIL SUCTION (LARGE) HEADER OR PREMATURE FAN START MAY OCCUR. THE WARM UP ACCELERATOR DOES

HAN-L5 WALL CONTROL



NOTE 3.

THE PCB-058/2S POWER BOARD CAN
BE USED FOR 2 STAGE HEAT PUMP
SYSTEMS OR TO CONTROL A SECOND STAGE
BOOST ELECTRIC HEAT ELEMENT.
A) FOR 2 STAGE SYSTEMS WHERE STAGE 2
OUTPUT (S2) IS TO CONTROL 2ND
COMPRESSOR, MOVE BROWN WIRE (A2)
TO "CO".

B) WHEN STAGE 2 OUTPUT (S2) IS TO CONTROL ELECTRIC HEAT ELEMENT, MOVE BROWN WIRE (A2) TO TERMINAL "RV".

NOTE 4.

1. IF SINGLE SPEED FAN MOTOR IS USED BRIDGE FL-FM-FH.

PLUG CN-2 - REVERSING VALVE SELECTION PLUG. SELECT HERE WITH 2 PIN JUMPER FOR EITHER REVERSE ON HEAT (AS SUPPLIED) OR MOVE JUMPER TO BRIDGE LOWER 2 PINS FOR REVERSE INDOOR COIL SUCTION (LARGE) HEADER OR PREMATURE FAN START MAY OCCUR. THE WARM UP ACCELERATOR DOES NOT OPERATE ON THE COOLING CYCLE. ON COOL. WHEN USING FAN OUTPUTS TO OPERATE 3 MIN DELAY ON MAKE TIMER EXTERNAL FAN RELAYS OR LOW VOLTAGE PCB. REMOVE JUMPER SK. COMPRESSOR NO2 RELAY TO BE SUPPLIED FOR CONTINUOUS FAN OPERATION ON HEAT, MOVE JUMPER TO BRIDGE BY INSTALLER (c PINS I F CN-F CONNECT PLUG FOR PARALLEL FAN ACCESSORY CONTROL BOARD Ø EVAPORATOR FAN LOW **⊗** S2 FL 8 RSD OPTION (RELAY SHUT DOWN). PINS MUST BE BRIDGED WHEN MEDIUM OPTIONAL REMOTE SENSOR FΜ ⊗ NOT REQUIRED. 8 CN-12V PLUG. FΗ PLUG HERE WHEN USING HANWEST ZSU-040 ZONE SWITCH UNIT. PINS 1 & 2 MUST BE BRIDGED WHEN R۷ \otimes OPTIONAL SYSTEM WARM UP EVAP. COIL SENSOR (c` NOT REQUIRED. ᢒ (A2) COMPRESSOR SENSOR Ν ⊗ BEAD RELAY 표 ⊗ CN-TH2 PLUG Š $\overline{\otimes}$ CN-TH1 PLUG. 8 LINKS STANDARD REMOTE SENSOR PLUG. CSD \mathbb{Z} PLUG ** CSD OPTION - (CONTROL SHUT DOWN).
PINS MUST BE BRIDGED WHEN NOT REQUIRED. FUSE 00 240V AC Ø 10 OR 25 METRE LEAD LEGEND. RV - REVERSING VALVE. DI - DEFROST CONTROL. PLUG Ø

IN THE INTEREST OF CONTINUOUS PRODUCT IMPROVEMENT SPECIFICATIONS OR PERFORMANCE DATA MAY CHANGE WITHOUT NOTICE.

PCB-058V2/2S

(Rev -1 – 11/10/99)