

## SELECTABLE RE-START AFTER POWER FAILURE

The HAN-L5 controller can be field set by the building occupier for the following function.

- a) Auto re-start after power failure.
- b) No re-start after power failure.

Setting of the control for one of the above options is as follows.

a) **Auto re-start after power failure.**

Note: Batteries must be installed for this function to operate.

- 1) Press time clock override button and move display bar under time display to "ON" position or to "AUTO" position following "ON" position.

In this setup mode should a power failure occur, the control will automatically re-start the air conditioner. This will take place even if the control is switched off when the power failure occurs.

b) **No re-start after power failure.**

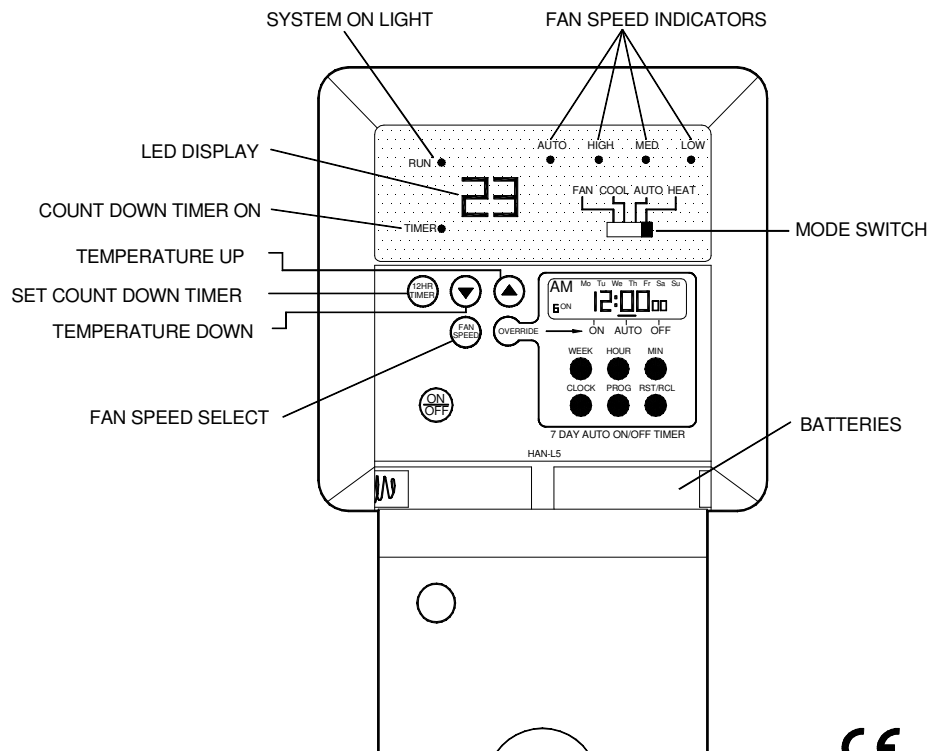
Note: Without batteries installed this setting is not required.

With batteries installed set the control in the following sequence.

- 1) Press timer override button and move display bar to "OFF" position. In this position the control will not restart after a power failure.
- 2) If auto start/stop programs are set.  
Press override button and move bar to "OFF" then to "AUTO" position.

After this sequence the control will not restart after a power failure unless the time is within a program "ON" time.

## DIAGRAM OF HAN-L5 WITH FRONT DOOR OPEN



## AIR CONDITIONER OPERATING INSTRUCTIONS



### HAN-L5 MICROPROCESSOR CONTROLLER

Congratulations on your purchase of a quality air conditioning system. Your air conditioning system is equipped with the latest HAN-L5 microprocessor system controller. The HAN-L5 is a sophisticated controller incorporating advanced trend optimising software to maintain a high level of comfort control. To cater for the various climatic conditions you can select fan only for air circulation, heat or cool operation or if you prefer set the control to auto for fully automatic temperature control. As the controller is pre-programmed for your comfort, operation of the control is conveniently easy.

The HAN-L5 also features 2 easy to use timer functions. A count down timer providing delay stop or delay start feature and can be set for 1 to 12 hours. A 7 day time clock is also incorporated which allows auto start/stop settings. A total of 6 ON/OFF setting times can be selected. The 7 day time clock has battery back up to prevent loss of settings should the main power supply be turned off.

Full operational instructions are provided in the following.

# HAN-L5 OPERATING INSTRUCTIONS

## Switch On

To turn the air conditioning unit on, simply depress the ON/OFF button. An audible tone will be heard as acknowledgment. The LED display along with the run and fan speed indicator will then be illuminated.

## Switch Off (Standby Mode)

To turn the unit off, simply depress the ON/OFF button. This will place the unit into "standby mode". The current set-point and fan speed selection will be stored in the controller's memory. Do not restart for several minutes to allow the air conditioning equipment to stabilise before re-starting.

## System Memory

Whether the unit is switched on by means of the ON/OFF key or automatically by the built in 7 day 6 function timer, the control's set-point and fan speed settings will be the last settings at the time the unit was switched off.

If the Microprocessor has been reset due to disconnection of the supply voltage when the control is switched on the settings will be a set-point of 22°C and a high fan speed setting in the cool mode and 20°C and a high fan speed setting in the heat mode.

## System Mode Switch (Slide Switch) FAN / COOL / AUTO / HEAT

With the system switched OFF (in standby mode), slide the Fan /Cool/Auto/Heat mode switch to the desired selection. The following describes each mode of operation.

FAN - With the mode switch on fan only the indoor air circulating fan will run.

COOL - In cool position the system will operate automatically to provide comfort cooling.

AUTO - The auto position will operate the system automatically on cooling or heating to maintain the set temperature.

HEAT - In heat position the system will operate automatically to provide comfort heating.

After selecting the mode press the ON/OFF button to start the fan.

It is preferable to switch the control off before changing the mode switch. If the control is switched on when the mode switch is altered, the air conditioner will not change cycle for 4 minutes to allow the system to stabilise. After this time delay the air conditioner will operate in the selected Cool/Auto/Heat mode.

## Fan Speed Adjustment

Open the cover door and press the fan control button to adjust the fan speed as desired. The LED indicators will move from high to medium to low then to auto with each press of the fan control button. In the auto fan mode, the microprocessor will automatically select the most suitable of the 3 fan speeds based on the difference between room and set-point temperature. While the temperature remains within  $\pm 0.5^\circ$  of the set point the fan will run on medium speed.

## Temperature Adjustment

Press the UP ▲ or DOWN ▼ button to increase or decrease the temperature set-point as desired. The digital LED display will indicate the set-point temperature while the adjustment is being carried out.

## Count Down Timer-On Setting

With control off in standby mode, depress timer button. The digital display will change to timer display while adjustment is being carried out. Using timer button select number of hours until unit is to switch on. The red timer ON LED will light and the display will remain on and will countdown the number of hours until the control switches on. The air conditioner will start automatically after the set number of hours.

## Timer-On Cancellation

Simply depress the timer key until a null "-----" setting is displayed and red timer LED goes off. Unit will switch on and timer will be reset.

## Timer-On Override

Simply depress the ON/OFF key. The control will switch on and timer will be reset.

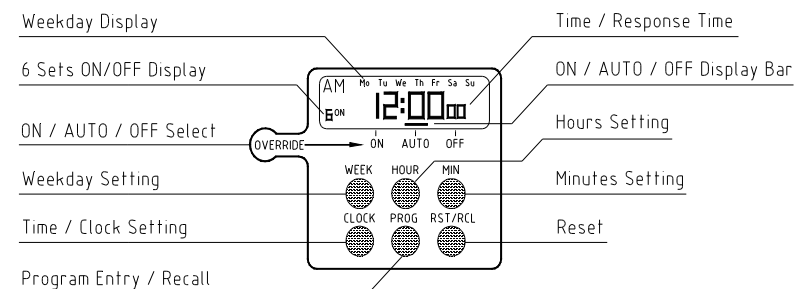
## Count Down Timer-Off Setting

With unit operating depress timer button. The red timer ON LED will light and the digital display will change to timer display whilst adjustment is being carried out. Using timer key select number of hours until the control is to switch off. Display will revert back to room temperature 20 seconds after the last button depression. Unit will be placed into Standby mode after the set number of hours.

## Auto Restart After Power Failure

Should a power failure occur while the 7 day time clock is controlling the ON/OFF function, the HAN-L5 will automatically restart if the power is restored during the time clock "ON" time.

## 7 DAY AUTO TIME CLOCK



Your digital time clock has the following features:

- Switch air conditioner on and off up to 6 times per day.
- Individual or multi-day time settings.
- Easy to read liquid-crystal-display.
- Battery back up to save settings during power off.

## Clock Setting

- 1) Press "CLOCK" and "WEEK" together until the correct weekday is displayed.
- 2) Press "CLOCK" and "HOUR" together until the correct hour is displayed.
- 3) Press "CLOCK" and "MIN" together until the correct minutes are displayed.

## Timer Setting

- 1) Press "PROG" and 1<sup>ON</sup> will appear to indicate the 1st power on time is ready to be set.
- 2) Press "WEEK" to select the desired day/s that you want your power-on time.
- 3) Press "HOUR", then "MIN" to enter the first desired power-on time.  
(Note: To reset times, press RST/RCL).
- 4) When desired power on (1<sup>ON</sup>) time and date is entered, press "PROG". 1<sup>OFF</sup> will now appear to indicate the 1st power off time is ready to be set.
- 5) Repeat steps 2-4. (Note: For every power-on time, there must be a power-off time).
- 6) Repeat steps 1-6 until the 6th power-off timer is set. (Note: There is a max of 6 ON/OFF times).
- 7) You may press "PROG" to double check the days and times.
- 8) Press "OVERRIDE" button until bar is on top of "AUTO" for automatic operation.
- 9) Press "CLOCK" to resume present time.
- 10) To disable timer operation, press "OVERRIDE" button until bar is on top of "OFF".

## Batteries

The batteries may be replaced while the air conditioner is switched on or off. If main power to air conditioner is turned off while batteries are removed, all settings will be lost. The batteries are 2 x AAA.