

***Product Information Sheet
MCCB-02 Condenser Controller***



General Description:

The **MJB** MCCB-02 Microprocessor Condenser Controller has been developed for use in residential and small commercial installations, where high performance operation over a wide temperature range is essential.

The **MJB** MCCB-02 will help maintain the lowest noise levels possible, by using the minimum fan speed, whilst still maintaining maximum system efficiency.

Operation:

The **MJB** MCCB-02 Condenser Controller provides optimum performance for both reverse cycle and cooling only systems. This is primarily achieved by the accurate control of the condenser fan speed to maintain the correct head pressure in both heating and cooling operations, as well as incorporating the latest in defrost control for improved system reliability and performance.

Many features are standard on the **MJB** MCCB-02 Condenser Controller and can be enabled or disabled via the on board dip switches.

Features:

- On board flash programmable
- Suitable for 240 or 24 Vac control systems.
- Condenser fan is accurately controlled for low ambient cooling.
- Condenser fan is accurately controlled for high ambient heating
- Switchable for single or multiple speed condenser fans.
- Switchable condenser fan, on or off during defrost cycle.
- Condenser fan starts up 45 seconds before defrost termination.
- Removes residual moisture from condenser coil
- Adaptive defrost control.
- 3 minute compressor anti cycle timer.
- Indoor evaporator fan start-up delay.
- Standard hot start function.
- On board maintenance switch.
Bypasses all timer functions, used for service personal.
- Visual indication of system operation, as well as system diagnostics such as: temperature probe fault, low or high pressure fault, pending mode, defrost mode etc.
- Pressure switch sensing with lockout algorithm.
Resettable from indoor thermostat.
- Low pressure by-pass during start up and defrost cycle.
- On board serial communication for optional wall controller, Evap controller and PC interface etc.
- Aux relay fitted as standard, which can be programmed to customer's specs.
Alarm output etc.
- Microprocessor controlled for accuracy and flexibility.

Options:

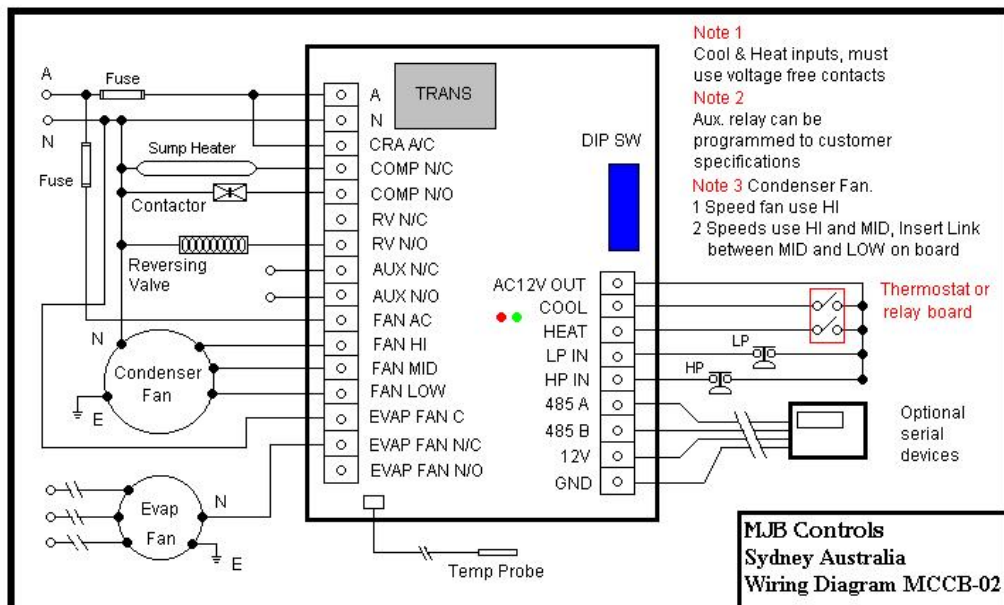
- 10 Metre sensor length.
- All system variables can be changed on customer request.
- Plug in ad-on modules for 2, 3, 4 stage control.
- Indoor wall Controller.
- Indoor Evap controller to control Evap fan(s) and zones.
- PC interface. (To be released soon)

Specifications:

Input Voltage	240 Vac.
Switching Capacity	16 Amps Resistive, 8 Amps at cos 0.4. (480 w)
Defrost initiation	Self-Adapting.
Defrost Termination	10 Deg ^C or 10 Minutes (Time vs. Temperature).
Sensor Length	2 Metre.
Size	155 mm x 107 mm.
Mounting	4 PCB mounts or optional 35, 32, or 15 mm Din Rail mounting.

* Please Note that all program parameters can be changed at customers request *

Wiring Diagram for 240V control



Wiring Diagram for 24V control

