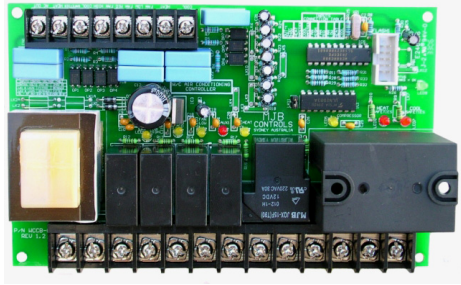


### *Product Information Sheet* *WCCB-08*



#### **General Description:**

The **MJB** WCCB-08 is a microprocessor-based controller that has been specifically developed for water cooled (water source) air conditioning systems, as used in high-rise home units, hotels and other types of commercial buildings. Its space saving design and ease of installation saves time and money.

This is achieved by directly controlling all functions inclusive of fan speed, alarm outputs, heating elements and the compressor, without the need to add additional contactors or relays.

All of the usual safety devices are also wired directly into the controller, such as pressure switches, over temperature sensors, water flow switches and various other interlock devices.

The **MJB** WCCB-08 can be programmed to react to faults according to customer specifications by changing the program (should you find the standard program does not meet your requirements).

#### **Features:**

- On board flash programmable
- 24 Volt AC control.
- 5 minute anti-cycle timer.
- Delayed start on power failure.
- Low-pressure by-pass on start-up.
- Fan run-on.  
Runs the low speed fan for 45 seconds after the air conditioning unit has stopped, to purge the duct of any residual heat. This function is only enabled when element heating is used.
- LED fault display.  
LED display of running conditions as well as fault conditions is provided on the control board.
- Restart function.  
This feature is provided to reduce nuisance calls. Should the unit stop for any reason (such as water pump failure or high or low-pressure etc;) the WCCB-08 will attempt a restart, 2 mins after the fault condition had been detected. Should the fault condition still remain after the WCCB-08 has attempted a restart then the WCCB-08 will lock the system out to prevent further damage. The lockout can be reset from the indoor thermostat.
- Forced fan on over temperature.  
Should the WCCB-08 detect an over temp condition (Element heat) it will turn on the high speed fan until the condition is corrected.
- Alarm output.  
Can be used as a remote monitor of the air conditioning system. Should the unit stop because of one or more of the safety systems have tripped like overtemp, high / low pressure or the water pump has stopped. The alarm output will activate and will provide an indication of the unit's status.

- Pump Verification.  
Can be used in buildings where a signal to start the water pump (chillers and boilers) is required. This is so that if all A/C units are not being used then the water pump can be switched off conserving power.
- The WCCB-08 will control all common water source systems:  
Cooling only, Cooling with Electric Heat, Reverse Cycle and Reverse Cycle with additional Electric Heat.

***Specifications:***

Input Voltage	240 Vac.
Compressor Relay	3 HP (single-phase) 13 amps running, 80 amp starting current.
Fan relay	1/2 HP (16 amp resistive)
Heater Element Relay	20 amp (4800 w)
Alarm output Relay	16 amp (480 w)
Mounting	4 PCB stand off's, with the option of din rail mounting.
Control Voltage	24 Vac supplied from the board.
Size	174 mm x 108 mm.

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