

# INCA

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Design & Manufacture of:  
Custom-built switchboards  
Electronic control equipment  
AC/DC pumping controls  
Installation & service

## Dual 24Hour Alternating Hot Water Circulating Pump Control Manual

Inca Ref: HWC24

The Dual HWC24 Control Panel controls the operation of 2 (two) mains powered hot water circulating pumps up to 250W. It can have a 240V rated thermostat connected to start & stop the pumps on temperature & alternates the pumps on a 24hr rotation (user selectable). The panel is manufactured to comply with Australian Standards

### Panel Connections:

Isolator Terminal : on circuit breaker & terminal N - 240VAC Supply

Field Terminals :

Terminals 1 & 2 – Control Thermostat, (Normally Closed). Bridge if no thermostat used

Terminals P1 & N – Pump No1 Connections

Terminals P2 & N – Pump No2 Connections

### Panel Facia:

The front of the control panel houses a pump selector switch which when selected to pump 1 operates pump 1 continuously, when selected to pump 2 operates pump 2 continuously, & when selected to auto will operate the pumps via the time clock.

### Time Clock:

The time clock inside provides the automatic alternation of the pumps. Time and 12 hour alternation from 0000 hours to 1200 hours are factory set. Any alternative time settings or resetting of the time clock or specifications are done using the Time Clock Instruction manual provided.

### Pump Operation:

The pumps are controlled via a time clock selecting which pump is to run. If the thermostat is connected the pumps will be switched on & off via temperature detected by the thermostat.

*Note: only one pump runs at any given time.*