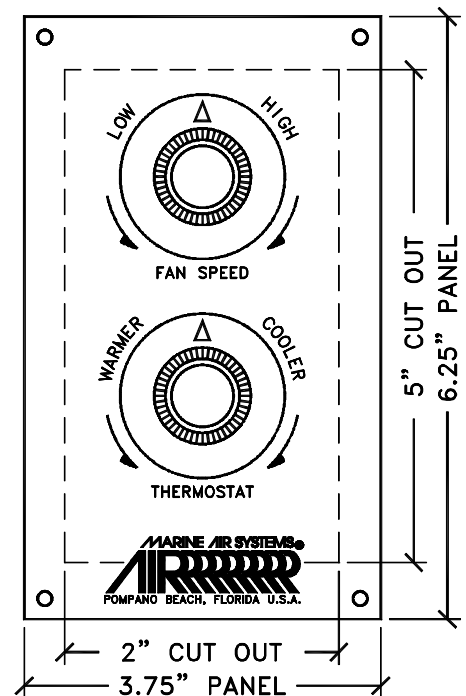


## CHILLED WATER AIR HANDLER MANUAL CONTROL (MCP-AH2KB)

The MCP-AH 2-knob control is meant for use with “no-valve” air handlers. The control panel should be located within cap tube length of the air handler. By reversing the knobs to the other side of the plate, the 2-knob MCP-AH may be configured either vertically or horizontally. The cut out size is 2.5" (64mm) by 5.0" (127mm). Once the cut out is made, carefully uncoil the copper cap tube with return air sensor (copper bulb) and route the control wires and cap tube through the hole and back to the air handler *using caution not to kink the cap tube*. Mount the return air sensor, with the clips provided in the return air stream, i.e. behind the return grille. The sensor bulb must not be in contact with anything but the clips. Make electrical connections according to the wiring diagram provided. There is a 10amp fuse located behind the panel that protects the fan motor circuit, replace this fuse as needed.

### MCP-AH OPERATION

- 1) Turn on air handler circuit breaker.
- 2) Use FAN SPEED control knob to turn air handler on & off, and to adjust fan speed.
- 3) Turn THERMOSTAT control knob to the coolest position by rotating fully clockwise. If the chilled water system is in heat mode, turn THERMOSTAT control knob counter-clockwise for heat.
- 4) Turn FAN SPEED control knob clockwise to highest setting.
- 5) Verify that the fan is running and that there is steady airflow out of the supply air grille.
- 6) The light on the control will illuminate to indicate the air handler is running.
- 7) To set the thermostat, allow sufficient time for the unit to cool/heat the area to the desired temperature. When the area is sufficiently cooled/heated, turn the thermostat knob slowly toward the center position until it clicks once (the indicator light will turn off). The thermostat is now set to maintain a constant temperature.



The thermostat on the MCP-AH control panel serves to cycle the fan on or off with a 3.5°F (6.3°C) differential.

### CHANGEOVER SWITCH

Using the enclosed spring, attach the changeover switch on the copper pipe supplying water to the air handler. Cooling or heating depends on circulating water temperature. If the thermostat calls for cooling but the chiller is in heat mode, then the changeover switch will prevent the fan from running. If the thermostat calls for heat but the chiller is in cool mode, then the changeover switch will prevent the fan from running. The changeover switch will NOT prevent electric heat from energizing.