

MCP OPERATION: 3-KNOB (3KB) & 2-KNOB (2KB)

- 1) Ensure seawater intake ball valve (seacock) is open.
- 2) Turn SYSTEM SWITCH control knob to OFF.
- 3) Turn on AC circuit breaker. If the sea water pump has its own circuit breaker, turn that on too.
- 4) Turn the SYSTEM SWITCH control knob to FAN (2KB) or START (3KB), this energizes the fan and seawater pump (3KB, see note). Turn THERMOSTAT control knob to the coolest position by rotating it fully clockwise. If system has reverse cycle, turn knob counter-clockwise for heat.
- 5) Turn FAN SPEED control knob to highest setting (3KB).
- 6) Verify that the fan is running and that there is steady airflow out of the supply air grille.
- 7) Turn the SYSTEM SWITCH to RUN, this will start the compressor and seawater pump (2KB, see note). The indicator light on the 3KB control will illuminate.
- 8) Check for a steady solid stream of seawater from the overboard discharge.
- 9) 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 on the 3KB will turn off). The thermostat is now set to maintain a constant temperature. While heating, if the ambient temperature is less than 50°F (10°C), set the FAN SPEED control knob to low (3KB) for five to ten minutes until the unit begins to heat well, then increase the fan speed for more heat output.

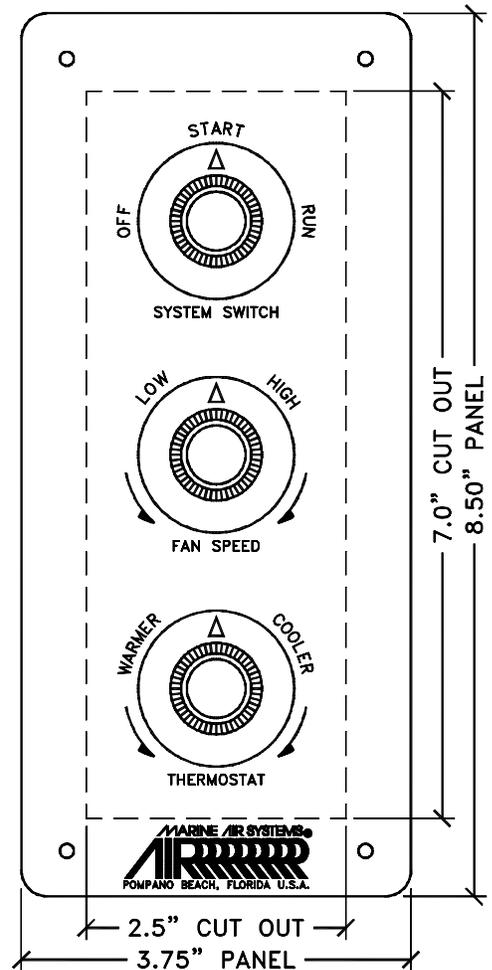
Note: The seawater pump comes on with the fan on the 3KB (switch set to START) and with the compressor on the 2KB (switch set to RUN).

The thermostat on the MCP control panel serves to cycle the compressor on and off and provide an automatic changeover from cooling to heating (reverse cycle only) with a 3.5°F (6.3°C) differential. Rotating the thermostat to the left after it has been set for cooling will cause the unit to heat. If you rotate the thermostat to the right, the unit will cool. If the thermostat is left stationary after being set, the unit will cycle from cooling to neutral, or heating to neutral depending on the requirement.

IMPORTANT NOTE: Reverse cycle units have a reversing valve that must be energized periodically to keep the internal parts moving freely. To accomplish this, switch the A/C into HEAT for a few seconds once a month.

Note: Do not turn the unit off and immediately turn it back on. Wait at least 30 seconds for system refrigerant pressures to balance.

3 KNOB CONTROL (MCP)



2 KNOB CONTROL (MCP2KB)

