



**UNIVERSAL DIGITAL CONTROL  
MODIFICATION KIT**

**Installation  
&  
Operations Guide**

**MERMAID MFG OF SW FL., INC.  
2651 PARK WINDSOR DR., SUITE 203  
FORT MYERS, FL 33901  
[INFO@MMAIR.COM](mailto:INFO@MMAIR.COM)  
239-418-0535 – P  
239-418-0538 – F**

**INSTALLATION INSTRUCTIONS  
FOR  
UNIVERSAL DIGITAL CONTROL**

READ INSTRUCTIONS FULLY PRIOR TO INSTALLATION, AS IMPROPER INSTALLATION WILL CAUSE HARM TO YOU OR YOUR VESSEL AND VOIDING ANY FUTURE WARRANTIES WITH YOUR MARINE A/C UNIT.

**STEP ONE:**

CURRENTLY, THE 120V POWER CABLE IS CONNECTING THE MAIN DISTRIBUTION PANEL (A/C BREAKER PANEL) TO THE MARINE A/C UNIT CONTROL BOX USING MARINE GRADE POWER CABLE.

DISCONNECT THE 120V POWER CABLE FROM THE A/C CONTROL BOX CURRENTLY CONNECTED TO YOUR MARINE A/C UNIT.

**NOTE: BE SURE TO HAVE YOUR SHORE POWER DISCONNECTED AND MARINE CURCUIT BREAKER IN THE OFF POSITION.**

**STEP TWO:**

ATTACH THE POWER CABLE TO THE UNIVERSAL CONTROL BOX SIDE LABELED "MAIN POWER IN" (THIS IS THE ONE JUST REMOVED FROM THE MARINE A/C CONTROL BOX STILL CONNECTED TO THE CURCUIT BREAKER). THERE WILL BE A BLACK, WHITE AND GREEN WIRE. FOLLOW THE COLOR CODING BY MATCHING THE CONNECTION WIRES AND SECURING THE GROUND CONNECTION WITH THE EXISTING GROUND CONNECTION ON THE OPPOSITE SIDE OF THE METAL MOUNTING BRACKET.

**STEP THREE:**

TAKE THE FIVE FEET OF CONNECTED MARINE POWER CABLE AND CONNECT THIS TO THE MARINE A/C CONTROL BOX LABELED POWER IN. THIS WILL COMPLETE YOUR SERIES CONNECTION FROM THE DISTRIBUTION PANEL TO THE MARINE A/C CONTROL BOX.

**STEP FOUR:**

MOUNT THE DIGITAL PROGRAMMABLE THERMOSTAT IN A LOCATION CONVENIENT TO YOU. NEAR THE KNOB AND SWITCH CONTROL IS ACCEPTABLE. YOU MAY DISCONNECT THE WIRING FROM THE UNIVERSAL DIGITAL CONTROL BOX IF NECESSARY. BE SURE UPON RECONNECTION, THE RED WIRE IS CONNECTED TO THE BLUE WIRE AND THE BLACK WIRE IS CONNECTED TO THE WHITE WIRE.

THE CONNECTIONS ARE ALSO LABELED “R” FOR RED AND “B” FOR BLACK ABOVE THE BLACK BLOCK TERMINAL.

### **OPERATION INSTRUCTIONS**

WHEN DESIRING COOLING, SIMPLY TURN THE KNOB AND SWITCH SYSTEM TO THE “COOL” SETTING AND TURN THE A/C TOGGLE SWITCH TO THE “ON” POSITION. FROM THIS POINT, THE OPERATIONS ARE HANDLED BY THE DIGITAL PROGRAMMABLE THERMOSTAT - UP UNTIL IT IS DESIRED TO USE HEAT (IF AVAILABLE).

WHEN DESIRING HEATING, SIMPLY TURN THE KNOB AND SWITCH SYSTEM TO THE “HEAT” SETTING AND BE SURE THE A/C TOGGLE SWITCH IS IN THE “ON” POSITION. ONCE AGAIN, THE OPERATIONS ARE BEING HANDLED BY THE DIGITAL PROGRAMMABLE THERMOSTAT.

**NOTE: BE SURE TO MOUNT THE UNIVERSAL DIGITAL CONTROL BOX AWAY FROM AREAS WITH WATER OR CONDENSATION. THIS COULD CAUSE ELECTRICAL FIRES AND/OR SEVERE DAMAGE TO THE VESSEL.**