Multi-Unit Setup Guide P📶

This document describes how to wire and program AquaCal®'s Multi-Unit Mode or Daisy Chaining feature.

- Multi-unit mode allows up to 16 units to be connected so that they function as one machine.
- Mode and temperature adjustments are then made only at the primary unit.
- The primary unit can also be connected using an external pool equipment controller, allowing for control of all connected units.

> For Systems using the AquaCal®'s PoolSync® phone app, additional wiring is required. See document LTP18792 available online.
> https://www.aquacal.com/hp11-options-manuals/

A Equipment Requirements

- Heat Pumps must have HP11 Power Control Boards.
- All HP11 heat pumps must have at least firmware version .082.
    - To check firmware version → Press MENU → SYSTEM → INFORMATION → FIRMWARE VERSION

B Wiring Connections

- ⚠ **DANGER**   Failure to heed the following will result in injury or death.

- The heat pump utilizes high voltage and rotating equipment. Use caution when servicing.
- Follow all National Electric Codes (NEC) and / or State and Local guidelines.

Steps:
1. Disconnect power and wait 2 minutes before wiring.
2. Remove access panel to locate control board. See Figure 1 on the next page
3. Use diagram to route 22-gauge stranded wiring as shown. See Figure 2 on the next page
4. Reattach panel and restore power.

C Programming

Primary Unit Setup
1. Press MENU → SYSTEM → ADVANCED → MULTI-UNIT.
2. Select MULTI-UNIT MODE → PRIMARY.
3. Hold MENU to return to main display.

Secondary Unit Setup
1. Repeat steps to reach MULTI-UNIT MODE.
2. Select SECONDARY → assign unique local address.
3. Confirm with YES to clear previous settings

Troubleshooting

Issue	Resolution
ERROR AT PRIMARY UNIT	Fix fault on primary before secondary resumes.
MULTIPLE PRIMARY FAULT	Ensure only one unit is set as PRIMARY.
MULTI-UNIT COMM FAULT	Check power and configuration of primary unit. If needed, check for broken / disconnected wiring.

Contacting AquaCal AutoPilot, Inc.

Product Information:	
Website	www.AquaCal.com
Phone	(1) 727-823-5642
Hours	8-5 pm, Eastern M-F

Service Information:	
Website	www.AquaCal.com/request-heat-pump-service/
Phone	(1) 727-823-5642
Hours	8-5 pm, Eastern M-F

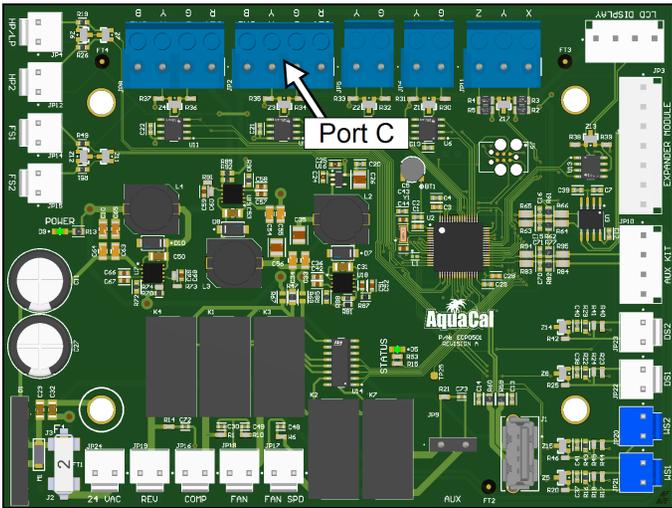**Additional product specific installation advice is available online in the manuals section.**
https://www.AquaCal.com/heatpump-manuals/

Figure 1 - HP11 Power Control Board

Port C

Connections made on PORT C
for Multi-Unit Connections

Heat Pump 1
(Primary)

Heat Pump 2
(Secondary unit)

Heat Pump 3
(Secondary unit)

All additional heat pumps
connected in the same way

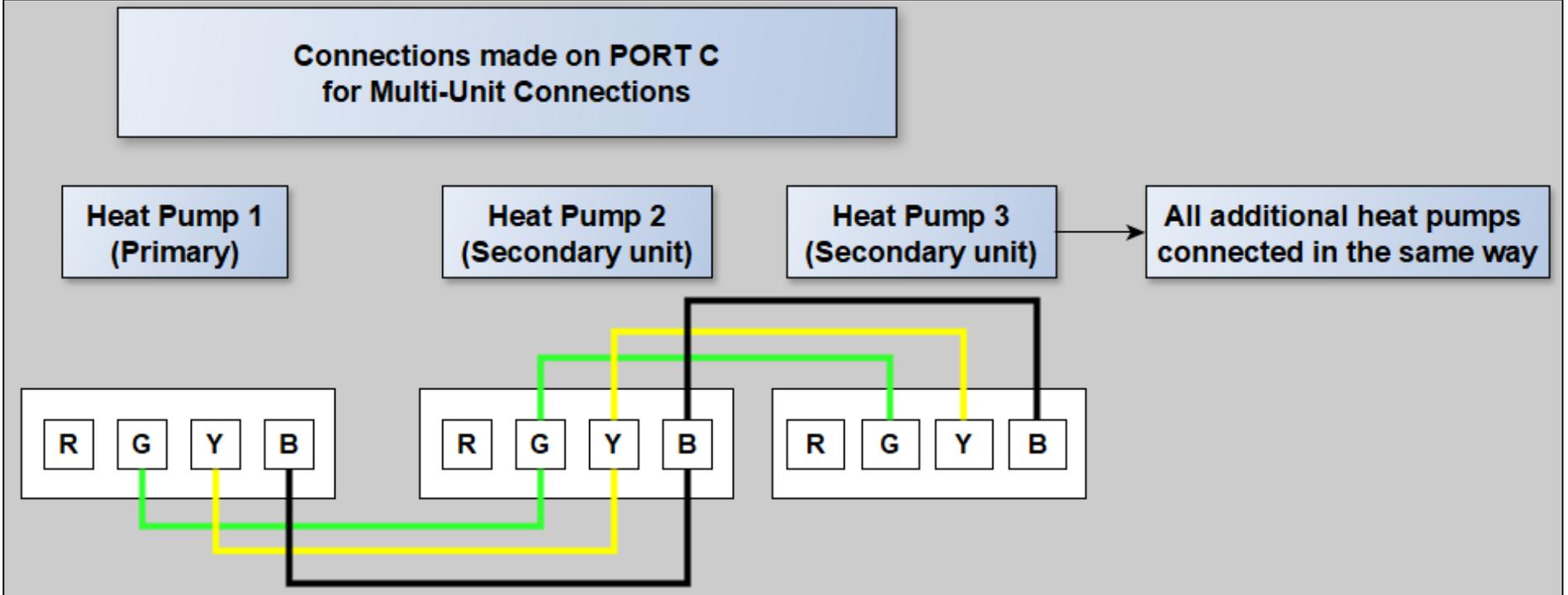| R	G	Y	B

R	G	Y	B

R	G	Y	B

Figure 2 - Multiple Heat Pumps