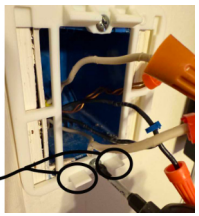
RC2 Installation & Troubleshooting

Requires House Wiring Experience

Nangeroni Design is not responsible for any **injury** or **damage** sustained during Installation, including **damage to the unit** caused by incorrect connection of wires

1. **Before** installing the Roadrunner Comfort in your swamp cooler's wire junction box, **identify and label wires to Pump, Low fan, Hi fan, Hot/ACL and Ground/ACN** (use provided labels). Incorrect connection of wires can **damage controller**.

2. **Turn OFF power** to the cooler controller at your home breaker (fuse) panel. Remove existing controller if any. Install wall plate, two tabs towards bottom.



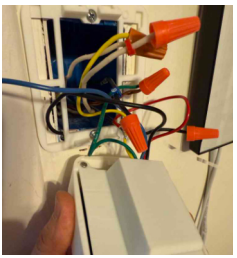
3. Connect controller wires, **hot (ACL, yellow) wire last.**

Wire Colors:

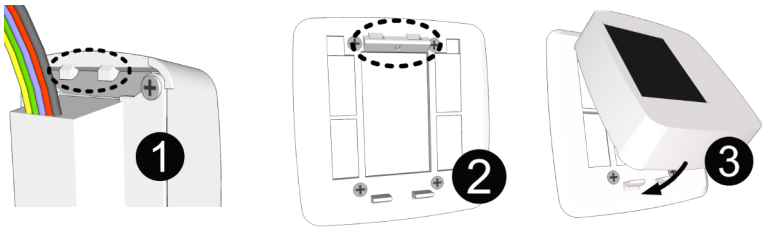
ACL (HOT): Yellow
ACN (GND): Green
Fan High: Black
Fan Low: Red
Pump: Blue

WARNING

Connecting BLUE (pump) wire to a fan **WILL BLOW** the fuse (2.5A 5x20) when power is applied.



4. **Hook controller top tabs** (1) over wall plate catches (2). Swing body downward (3) against wall plate and snap into place.



If resistance is felt, check that tabs are **fully seated**, and wiring is **deep enough** inside switch box. **DO NOT FORCE!**

5. **Restore power** to the controller via your home's breaker panel. **Refer to Quick Start guide to begin operation.**

TROUBLESHOOTING

Screen doesn't light up

Is the yellow wire is connected to ACL (AC Live) and the green wire to ACN (AC Neutral)? If these are connected and AC electric is available, the screen will light up. Red, blue, and black wires need not be connected for light up.

Doesn't respond to touch

Press green **'reset'** button any time the unit doesn't seem to be functioning properly. All setup is remembered.

Pump doesn't work

Is the RC blue pump wire connected to the cooler's pump? Is the pump relay protection fuse blown? The fuse is inline with the blue wire. The included spare is 5x20mm 2.5A 125v.

Doesn't connect to Wifi

The RC needs Wifi 4, and will not work with Wifi 5 or later. Most routers can supply Wifi 4, you just need to enable and configure.

Junction box only has 4 wires

If your cooler is single speed, connect the FanLo (red) and FanHi (black) wires together to the fan wire.

For a two-speed model with no ACN (neutral) wire, please update the wiring for safety by adding an ACN line.

Junction box has 6 wires

The RC needs 5 connections: two to AC power, and one each for fan low, fan high, and pump. No ground connection is needed; the system is fully floating.

Fan Switching On and Off

Most of the time when it's hot out the fan will run continuously. But sometimes it switches on and off, especially mornings, evenings, and overnight if left ON. **THIS IS NORMAL.**

support@RoadrunnerComfort.com
978-578-6298
Made in Los Ranchos NM by Nangeroni Design LLC

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