RC4 Installation & Troubleshooting

Requires House Wiring Experience

Nangeroni Design LLC is not responsible for any injury or damage sustained during installation, including damage to the unit caused by incorrect wiring.

1. **Before** installing Roadrunner Comfort in your cooler's wire junction box, **identify & label wires to Pump, Low fan, Hi fan, ACL and ACN** (labels provided). GND is not required.

2. **Turn OFF power** to the cooler control at your home breaker (fuse) panel. Remove existing controller if any. Install wall plate, top side as marked on the plate.

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

Wire Colors:

ACL: Yellow
ACN: Green
Fan High: Black
Fan Low: Red
Pump: Blue

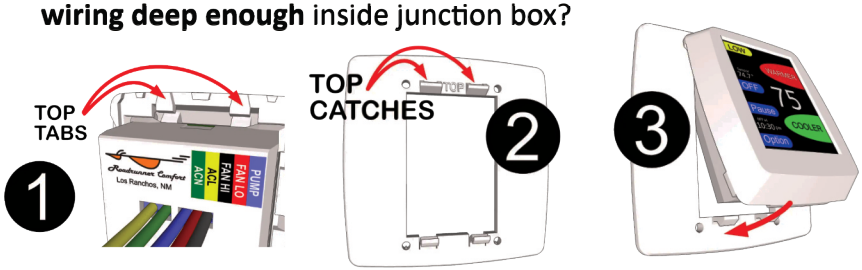
WARNING

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

For wiring help, see "Troubleshooting" on back side of this guide.

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

If excess resistance is felt, check: are tabs **fully seated? Is wiring deep enough** inside junction box?

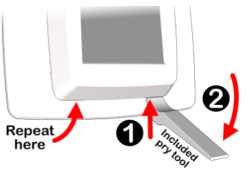


5. Restore power to the controller via your home's breaker panel. You should see this screen:

Please see Quick Start Guide to finish setup.

Removing from wall

To make it easier to remove the snap-in controller from the wall mount plate, a pry tool has been included. Please use as shown.



TROUBLESHOOTING

Screen doesn't light up

Is the yellow wire connected to ACL (AC Live) and the green wire to ACN (AC Neutral)? Is AC power turned ON?

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 included spare is 5x20mm 2.5A slow blow.

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 it.

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.

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.

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.**

www.RoadrunnerComfort.com
support@RoadrunnerComfort.com 978-578-6298