

# HV 1600 Gold R

## Whole House Cooling Fans

### Product Manual Add-on



**Tamarack Technologies, Inc.**

## PLEASE LEAVE WITH HOMEOWNER!

### Why you need this special instruction sheet for the HV 1600 Gold R:

HV 1600 Gold R Whole House Cooler is a two speed system with a remote control and the capability of being “hard-wired” to a pair of wall switches. Locating the fan, the operation, and physical installation is the same as the HV 1000 fans, but the electrical connection and control are different. Please follow the physical installation steps in the standard manual, and then refer to this sheet for wiring and operating instructions.

### Specifications

Voltage .....	115 VAC 60 Hz	R-Value through housing .....	R-22 (Optional R-38)
Power .....	276 Watts	Weight .....	24 Pounds
Airflow @ .03” (System) .....		Grille Dimensions .....	15 3/4” x 25 3/4”
High .....	1500 CFM	Grille Color .....	White (“Return Air” Grille)
Low .....	950 CFM	Rem. Control Battery .....	12V A-23
Rough Opening .....	14 1/2” x 22 1/2”		

If you have a defective unit, call 800-222-5932 for a Return Merchandise Authorization (RMA) number.

### Wiring

**IMPORTANT** - Because of the motorized damper doors, wiring the HV 1600 Gold R is different than a normal ON/OFF fan. Please follow the instructions carefully.

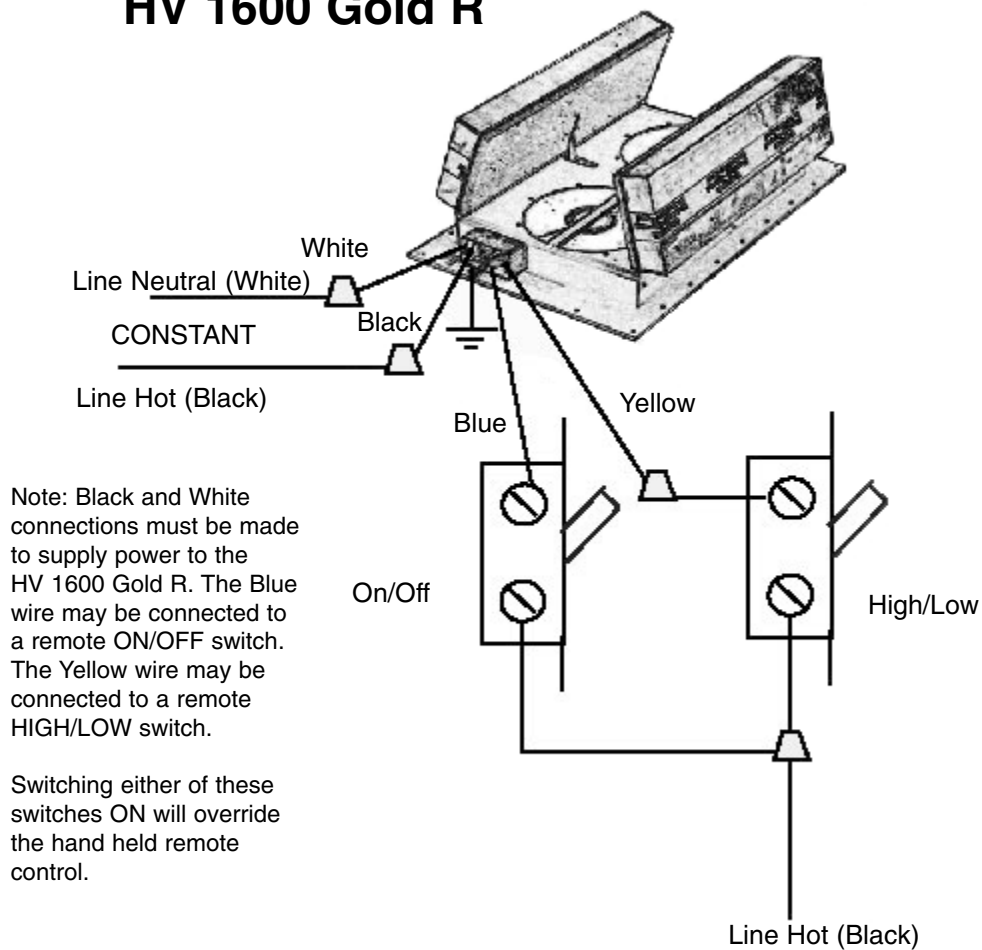
#### **BE SURE TO TURN OFF POWER BEFORE WIRING THE HV 1600 Gold R!**

If you are not familiar or comfortable working with wiring, refer the installation to a licensed electrician. Some State and Local electrical codes require the HV 1600 Gold R be installed by a licensed electrician. Check with your local code officials before installation.

**HV 1600R Gold** The HV 1600R Gold requires a constant source of power. Because the doors are motorized, they need power to open and power to close. (Fan ON/OFF operation is controlled internally.) There are five wires in the electrical box: WHITE, BLACK, YELLOW, a BLUE and a GREEN (ground).

- The WHITE should be connected Line Neutral, 115 VAC 60 Hz
- The BLACK should be connected to Line Hot, 115 VAC 60 Hz.
- Connect ground wire to screw in electrical box.

# HV 1600 Gold R



With just the BLACK and WHITE wires connected to power, the HV 1600 Gold R will be fully functional with the hand held remote control unit. The YELLOW and BLUE wires can be used to provide “hard wired” control. The BLUE wire will provide ON/OFF control and the YELLOW wire can provide HIGH or LOW speed control with two separate switches, one for each function.

## Troubleshooting

If the HV 1600 Gold R has been “hard wired” to a wall mounted ON/OFF switch or HIGH/LOW switch or both, note that both the wall switch and the remote control switch cannot be used at the same time.

- If the wall mounted ON/OFF switch is in the ON position, the ON/OFF buttons on the remote control will NOT function.
- If the wall mounted HIGH/LOW switch is set to HIGH, the HIGH/LOW buttons on the remote control will NOT function.

Note that when any of the buttons on the remote control are pushed, the Red indicator light should momentarily flash. If it doesn't and the system fails to operate, first check that the optional “hard wired” wall switches are set to the OFF position and then change the battery in the handheld remote control device.