

v e r m o d

**HOMEOWNER'S  
MANUAL**

## Contact Information

Contact VERMOD with any questions about your home:



VERMOD Homes  
2677 Route 5  
Wilder, VT 05088  
(802)295-0042  
[warranty@vermodhomes.com](mailto:warranty@vermodhomes.com)

Your home is covered by a one year warranty (through \_\_\_\_\_ )  
to ensure that you have enough time to settle in and make sure  
everything is running smoothly.

Each appliance has its own warranty for a longer period of time.

All warranty and use questions and comments *MUST* be sent to  
[warranty@vermodhomes.com](mailto:warranty@vermodhomes.com) to ensure timely response and  
processing.

See the next page for complete terms and conditions.

## Operations

VERMOD homes are designed to be comfortable, healthy, and easy to live in. Follow the advice in this section to make sure that you are operating your equipment correctly.

*If you're finding it difficult to be comfortable:*

1. Reset your temperature settings according to the directions below.
2. Leave the settings alone.
3. Clean and replace your air filters (CERV, heat pump, hot water heater).

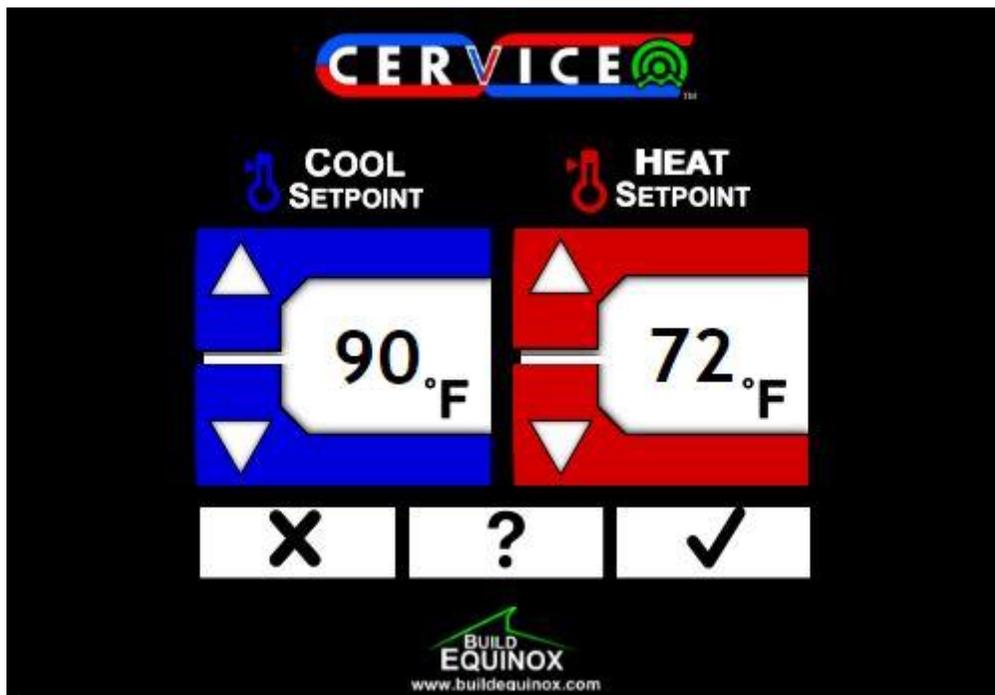
Keep your home set at the temperature you want it to be. Only change the temperature when you want to change the temperature of your home over the long term, like when the seasons change.

Your VERMOD home is designed to hold its heat during the winter and coolness during the summer. Do not adjust the temperature when you are asleep or out of the house.

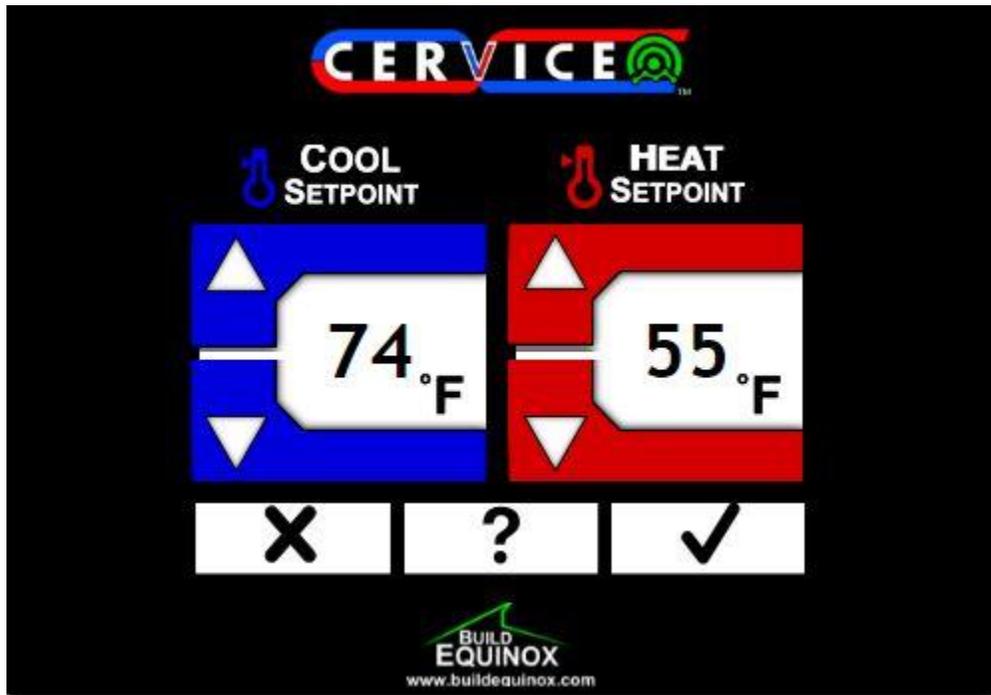
**HEATING SEASON:** Make sure the heat pump is in heating mode by pressing the mode button (open up remote) until the sun icon appears at the top of the screen. Set the heat pump at your desired temperature (for example, 70°).



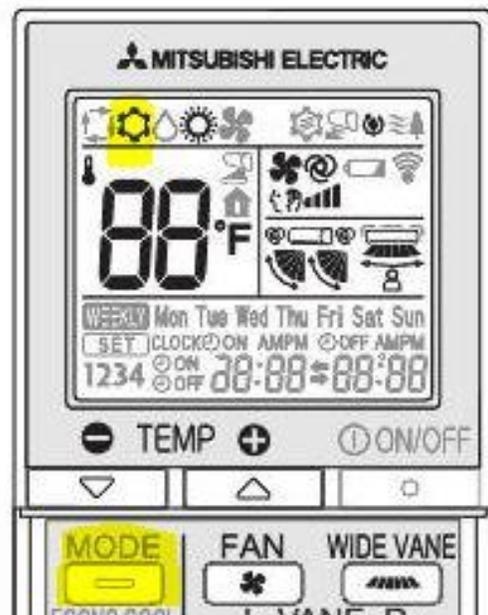
Set the CERV 2° higher than the heat pump – this allows the CERV to act as the primary heat source. If you want to change the temperature, adjust both the heat pump and CERV to maintain the 2° spread. Set the CERV cooling set point at 90° to prevent any cooling from occurring.



**COOLING SEASON:** Set the CERV at your desired temperature (for example, 74°). Set the heating set point to 55° so that the heat never comes on. Try cooling with just the CERV and keep your heat pump off to save energy.



If the CERV cannot keep your home cool or dry enough, turn on the heat pump and make sure it is in cooling mode by pressing the mode button until the snowflake icon appears at the top of the screen. *Set the heat pump 2° higher than the CERV.* If you want to change the temperature, adjust both the heat pump and CERV to maintain the 2° spread.

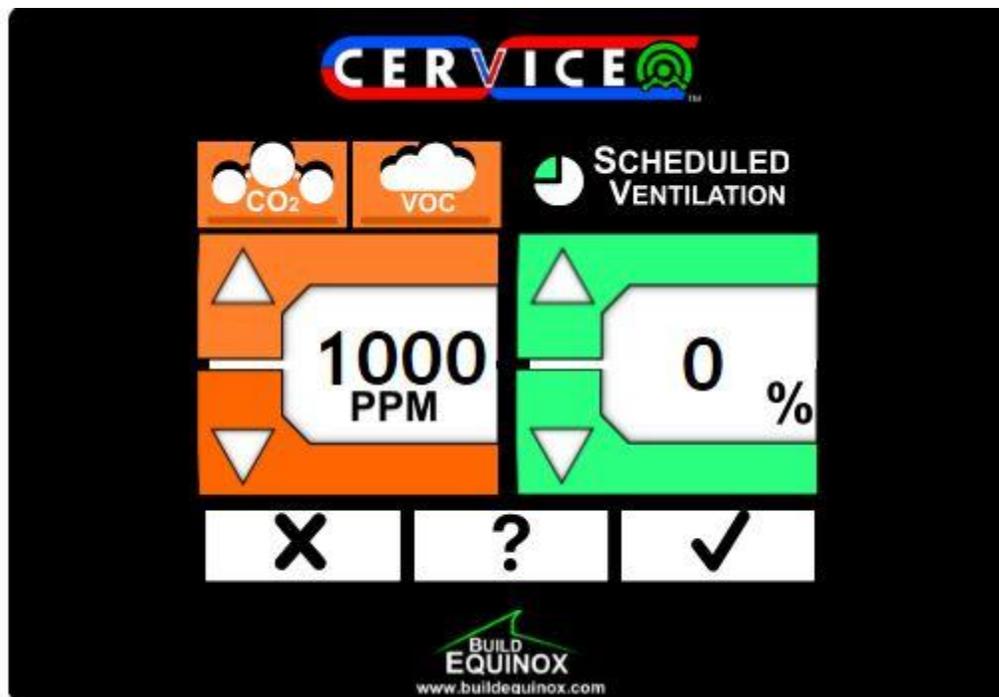


## INDOOR AIR QUALITY:

The CERV brings in fresh air, filters the indoor air, and circulates warmed or cooled air to the bedrooms. Do not turn the CERV off.

Diffusers and grilles have been set to ensure good air delivery in each room. Do not adjust the diffusers or grilles. If grilles are adjusted or changed, call Efficiency Vermont at (888) 921-5990 for advice. .

Leave the CERV set at 1000 ppm. When indoor CO<sub>2</sub> (carbon dioxide) or VOC (volatile organic compound) levels exceed 1000 ppm (parts per million), the CERV will automatically bring in fresh air to maintain healthy indoor air quality.



## Make the most of your VERMOD home

VERMOD homes are designed to help you stay healthy and decrease your energy usage. However, there is a lot that you can do, as a homeowner, to fully take advantage of the benefits of your new home.

### **MAINTAIN GOOD INDOOR AIR QUALITY:**

A home with good indoor air quality has CO<sub>2</sub> (carbon dioxide) and VOC (volatile organic compound) levels under 1000 ppm (parts per million). Your CERV is set to bring in fresh air whenever these levels exceed 1000 ppm.

#### *Choose low- or no-VOC products:*

- Paints and varnishes
- Upholstery fabrics
- Rugs and carpeting
- Cleaning products

#### *Avoid:*

- Smoking indoors
- Air fresheners
- Scented candles
- Moth balls
- Humidifiers

### **KEEP YOUR ELECTRIC USAGE LOW:**

- When purchasing new appliances for your home, choose ENERGY STAR rated models.
- Replace burned out lightbulbs with LED lightbulbs. Look for the ENERGY STAR label to indicate higher-quality, longer-lasting bulbs.
- Use power strips to avoid phantom loads from your electronics.
- Use less hot water: take short showers and turn off the tap.
- Only run the dishwasher and washing machine with full loads.
- Line dry your laundry.

## Heat Pump

### **WHAT IT DOES:**

- Heat, cool, and dehumidify your air

### **MAINTENANCE:**

- Hand wash and dry filters inside unit as needed – start with once every three months. You may need to clean them more frequently depending on what goes on inside your house and if you have pets. See page 11 of user manual.
- Inspect the outdoor compressor once per month and remove debris, ice, and snow.
- Troubleshoot on page 12 of user manual.

### **SERVICE AND REPLACEMENT:**

- Contact VERMOD for a recommended service technician.
- Contact VERMOD before replacing your heat pump. This technology will improve over time, so make sure you're getting the most up-to-date information.
- When replacing your heat pump, contact Efficiency Vermont at (888) 921-5990 for rebate information.

# CERV Ventilation System

## **WHAT IT DOES:**

- On-demand ventilation to monitor indoor air quality and bring in fresh air when needed
- Recirculate and filter your indoor air to keep your home comfortable and healthy
- Heat and cool your air with heat-recovery system

## **MAINTENANCE:**

- Change both filters as needed – start with once every three months. You may need to change them more frequently depending on where you live and what goes on inside your house.
- Filters are 1”x 10”x 20” and we recommend MERV 13 filtration.
- Do not adjust diffusers or grilles in each living space. They have been specially adjusted to balance ventilation flows throughout your house.

## **SERVICE AND REPLACEMENT:**

- Note any error codes and contact VERMOD for service.
- Contact VERMOD before replacing your CERV. This technology will improve over time, so make sure you’re getting the most up-to-date information.

## Heat Pump Hot Water Heater

### **WHAT IT DOES:**

- Domestic hot water heating

### **MAINTENANCE:**

- Hand wash and dry filter on top of unit as needed – start with every three months. You may need to clean the filter more frequently depending on what goes on inside your house and if you have pets.
- Keep the unit in Efficiency mode. If you frequently run out of hot water, you may put the water heater in Hybrid mode. Doing so will use more energy.
- Note any error codes on the screen and see page 18 of the user manual to troubleshoot.

### **SERVICE AND REPLACEMENT:**

- Contact VERMOD for a recommended service technician.
- Contact VERMOD before replacing your hot water heater. This technology will improve over time, so make sure you're getting the most up-to-date information.
- When replacing your hot water heater, contact Efficiency Vermont at (888) 921-5990 for rebate information.

## Solar Panels

Solar panels model: \_\_\_\_\_ Total wattage: \_\_\_\_\_

Microinverter model: \_\_\_\_\_

### **WHAT THEY DO:**

- Produce electricity to feed back into the electric grid and build solar credits for your home

### **MAINTENANCE:**

- There is little benefit to clearing snow off the roof in the winter, so don't worry about it. You will not lose very much electric production due to snow cover on your panels- the vast majority of your electricity is produced when the sun is higher in the sky during the spring, summer, and fall.
- Snow is not a structural threat since the roof and solar panels were designed to withstand heavy Vermont snowfall.

### **SERVICE AND REPLACEMENT:**

- Contact VERMOD for a recommended service technician.
- Contact VERMOD before replacing your solar panels. This technology will improve over time, so make sure you're getting the most up-to-date information.
- When replacing your solar panels, contact Efficiency Vermont at (888) 921-5990 for up-to-date information on available tax credits, incentives, and low-interest financing.

## Major Appliances:

### Stove, Dishwasher, Refrigerator, Microwave, Washer, and Dryer

#### **MAINTENANCE:**

- See the following manuals for specific appliances.
- When maintaining, repairing, and replacing your dryer, note that it is a *condensing dryer*. Just like a normal vented dryer, your condensing dryer passes heated air through the laundry. However, instead of venting this air to the outdoors, the dryer uses a heat exchanger to cool the air and condense the water vapor into a drain pipe. VERMOD homes have condensing dryers instead of vented dryers to avoid the air leakage and heat loss associated with dryer vents.

#### **SERVICE AND REPLACEMENT:**

- Contact your local appliance repair company for service.
- When replacing your appliances, contact Efficiency Vermont at (888) 921-5990 for rebate information. Choose only ENERGY STAR models.