

## ES Series Controls: Installation & Usage Manual (Version 2.1, JN 2018)

### A. Installing ES Series Controls: Preliminary Considerations

1. Your kit includes: 1 ES Series Control, 2 mounting screws, 1 wall plate with mounting screws.
2. ES Series controls are designed, if desired, to mount into a standard single- or multiple-gang switch receptacle box. You may wire ES Series controls in Series or Parallel.
3. You may use a virtually unlimited number of ES “M” and “T” controls per installation.
4. You can use ES Series controls with Nu-Air Windsor Series controls and a variety of other mechanical switches. Consult the HRV/ERV manual for details.
5. **As a safety precaution, ensure that the HRV/ERV is unplugged before connecting any control wires to it.**

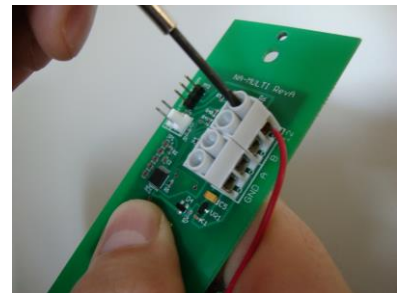
### B. Procedure

1. Use a narrow-tipped flat-head screwdriver to secure control wires into the terminal block located on the back of the ES Series control:

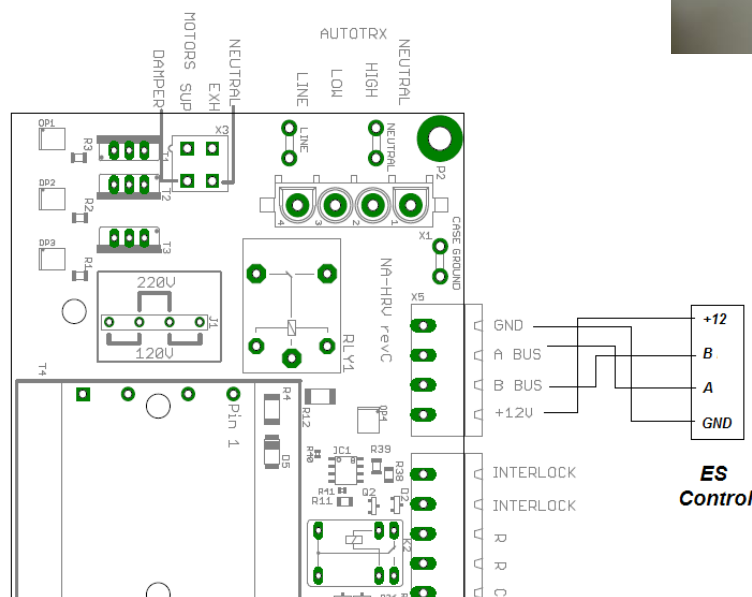
12 VDC—Red  
 B—Yellow  
 A—Green  
 GND—Black

2. At the HRV/ERV, screw the control wires into the removable 4-wire terminal block, then secure the terminal block into the HRV/ERV circuit board plug.

3. Install the appropriate wall plate. A single-switch wall plate is supplied with your ES Series control.



Use 4-strand wire.

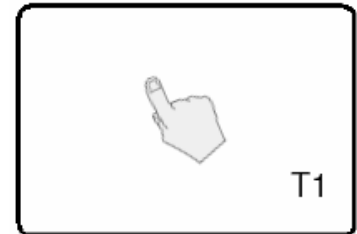


## A. Usage: Background Information

Each ES Series control is equipped with a touch pad and 3 LED's. The touch pad is used to select mode of operation or turn the appliance off. The LED's indicate which mode of operation the HRV/ERV is operating in. ES Series controls follow "master-slave" logic in that the most recent one used controls the HRV/ERV. For example, if the M1 control is currently on **Hi** and you use an M2 control to select **Lo** (or any other mode), the M2 control will assume command of the HRV/ERV. You will notice that the LED on both controls will now flash **Lo**. When a "feature" mode is selected (i.e. Hi or 20 Lo/ 40 Stby or 20 Lo/ 40 Recirc.), all other mode controls will switch to standby.

## B. Usage: One Simple Step to Operation

1. To use your ES Series control, gently tap the labeled touch pad:



## C. Easy Navigation and Control

You may toggle between operation modes by simply tapping the touch pad. The control LED will switch to indicate the current mode of operation.

When toggling between modes the LEDs will light in an upward, then downward pattern.

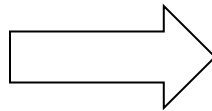
You can turn your HRV/ERV on or off with the ES Series controls, simply by tapping the touch pad. No LED's shining indicates that the HRV/ERV is off.

## ES Series Controls: Description of Operations

### ES-T1

The ES-T1 Timer is meant to bring the HRV/ERV into high speed for 20, 40 or 60 minutes. As the internal clock on the control counts down, you will notice that the LED will "move down" as each 20-minute segment is completed. If your municipality requires that the timer be capable of activating the ventilator even when the main controller is set to the OFF position, move the jumper on each timer to the position illustrated below. In this mode, the LED MIGHT TAKE UP TO 10 SECONDS to light when the timer is activated.

Factory  
Setting on  
"NORMAL"



Field Setting  
on "DEHUM"

### ES-M1

No LED: HRV/ERV is OFF. Stby: Unit is in standby, ready for a command. Lo: Unit operates in low speed continuously. Hi: Unit operates in high speed continuously

### ES-M2

No LED: HRV/ERV is OFF. Stby: Unit is in standby, ready for a command. Lo: Unit operates in low speed continuously. 20 Lo/40 Stby: Unit cycles between 20 minutes continuous low and 40 minutes standby.

### ES-M3

No LED: HRV/ERV is OFF. Stby: Unit is in standby, ready for a command. Lo: Unit operates in low speed continuously. 20 Lo/40 Stby: Unit cycles between 20 minutes continuous low and 40 minutes recirculation.