

## ES Series Controls: Installation & Usage Manual

### A. ES Series Controls (Sold Separately): Preliminary Considerations

1. Your ES control kit includes: One (1) ES Series Control, two (2) mounting screws, and one (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 unlimited ES Series controls in Series or Parallel.
3. You may use a virtually unlimited number and combination of ES 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.**

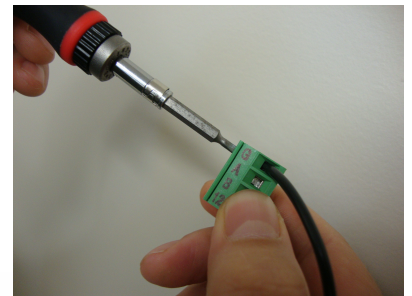
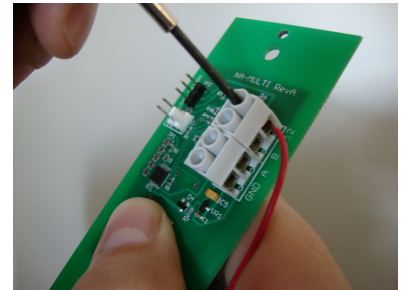
### B. Procedure

1. Use 4-strand wire. Use a narrow-tipped flat-head screwdriver to secure control wires into the terminal block located on the back of the 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.

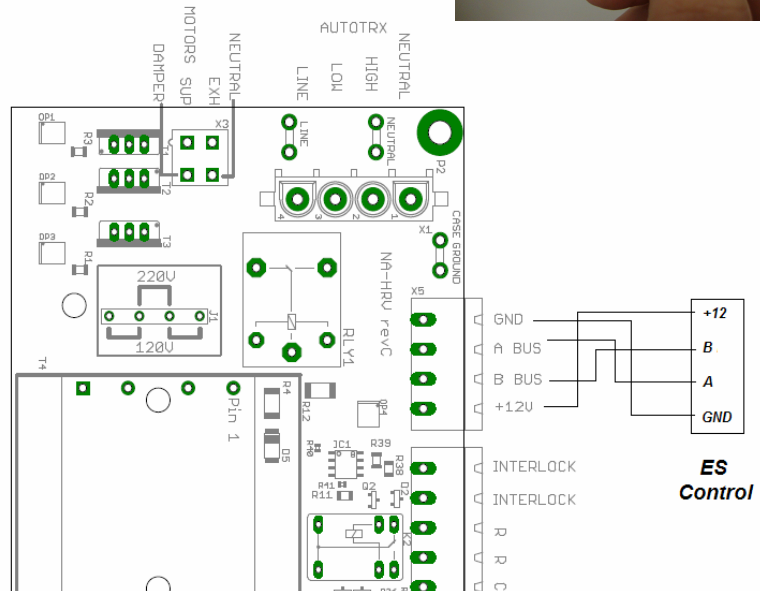
3. Install the appropriate wall plate. A single-switch wall plate is supplied with your ES Series control.



**DO NOT cross the (+12V/12) and ground (GND/G) wires.**

Doing so with power connected to the H/ERV will immediately short-circuit and destroy the ES control processor.

**Note that the vertical order for the wires on the ES control is the opposite of the vertical order on the H/ERV circuit board terminal block.**



## A. Usage: Background Information

ES Series controls follow “master-slave” logic—the most recent one used controls the HRV/ERV. For example, if the M1 control is currently on **High** and you use an M2 control to select **Low**, the M2 control will assume command of the HRV/ERV. You will notice that the LED on both controls will now flash **Low**. When a “feature” mode is selected (e.g. High or 20 Low/ 40 Standby or 20 Low/ 40 Recirculate or Recirculate), all other mode controls will switch to standby.

## B. Usage: One Simple Step to Operation

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.

## D. Description of Operations

- T1: 20-40-60 minutes high speed
- M1: Off, Standby, Lo, Hi
- M2: Off, Standby, Lo, 20 Lo/40 Standby
- M3: Off, Standby, Lo, 20 Lo/40 Recirculation
- M4: Off, Standby, Lo, Recirculation (Lo)
- M5: Off, Lo, 20 Lo/40 Standby, Recirculation (Hi)

