







COMMERCIAL CONTROLS & INTERCONNECTION OPTIONS

These controls are intended to turn RenewAire commercial energy recovery ventilation systems on and off at appropriate times. Specification, installation and set-up is an easy process. RenewAire HE and RD Series units come standard with a 24 volt transformer/relay package for easy interface with all controls.

It is not necessary that RenewAire controls be used to operate RenewAire units. A wide range of controls or building automation systems may be used. Additionally, all HE Series units are "VFD Ready" as a standard feature.

RenewAire residential units have their own line of compatible controls that are not intended to operate RenewAire commercial units.

<h2>TC7D</h2> 	<h2>DIGITAL TIME CLOCK</h2> <ul style="list-style-type: none"> • up to 8 on/off cycles per day or 56 per week • 24 VAC power requirement • battery back-up • wall mount or outdoor enclosure options • wall mount fits any 4" x 4" electrical box 	 <ul style="list-style-type: none"> TC7D-W Wall Mount TC7D-E Control In NEMA 3R Enclosures
<h2>MC</h2> 	<h2>MOTION (OCCUPANCY) CONTROL</h2> <ul style="list-style-type: none"> • passive infrared sensor • adjustable time-off delay to 30 minutes • 24 VAC power requirement • ceiling mount or directable wall mount • covers up to 1500 sq. ft. floor space <p>ceiling mount - walking motion coverage up to 22 foot radius wall mount - various coverage patterns up to 90 linear feet of sensitivity</p>	 <ul style="list-style-type: none"> MC-C Ceiling Mount MC-W Wall Mount
<h2>CO2</h2> 	<h2>CARBON DIOXIDE CONTROL</h2> <ul style="list-style-type: none"> • adjustable control from 600-2000 PPM • digital display • 24 VAC power requirement • computer/BAS interface for information and control • self calibrates during periods of low occupancy • wall mount or add duct mount accessory 	 <ul style="list-style-type: none"> CO2-W Wall Mount CO2-D Duct Mount

DH24

DEHUMIDISTAT CONTROL

DH24
Wall Mount



- secondary control to time clock or other primary control
- mechanical switching of 24 VAC (or 120 VAC)
- adjustable from 0 - 100% relative humidity
- wall mount to single gang box
- Note: RenewAire ERVs are not to be used for applications where indoor relative humidity exceeds 50% RH for extended periods of time

FILALM

FILTER ALARM



- can provide a remote indication that the filter has become loaded and needs replacement
- two airflow switches factory installed (one for each airstream)
- adjustable from 0.05 to 2.0 inch pressure (factory preset at 0.5 inch)
- supplies dry contact switching for a remote alarm or indication system provided by others



HE-SERIES ELECTRICAL BOX STANDARD FEATURES

- non-fused disconnect switch
- motor starters in all belt drive units, contactors in direct drive units
- 70 VA - 24VAC Class II transformer/relay package
- "VFD Ready" construction with simple field modification

OPTIONS

- disconnect fusing
- independent blower control - can be used to provide economizer (no heat recovery operation) function
 - separate economizer control (by others) is required
 - can provide relief fan or make-up air function to benefit building pressurization