







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 units should be ordered with the 24 volt contactor option for 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. Make sure units are ordered with compatible contactor control voltage.

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

<h2>TC7D</h2> 	<h3>DIGITAL TIME CLOCK</h3> <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 • optional RenewAire transformer relay package (TR40) may be used 	 <ul style="list-style-type: none"> TC7D-W Wall Mount TC7D-E Control In NEMA 3R Enclosures
<h2>MC</h2> 	<h3>MOTION (OCCUPANCY) CONTROL</h3> <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 ceiling mount - walking motion coverage up to 22 foot radius wall mount - various coverage patterns up to 90 linear feet of sensitivity • requires the use of RenewAire transformer relay package (TR40) (ordered separately) 	 <ul style="list-style-type: none"> MC-C Ceiling Mount MC-W Wall Mount
<h2>CO2</h2> 	<h3>CARBON DIOXIDE CONTROL</h3> <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 • requires the use of RenewAire transformer relay package (TR40) (ordered separately) 	 <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

DS

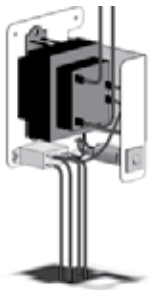
DISCONNECT SWITCH



- fused or non-fused
- indoor or NEMA 3R exterior enclosures - I or E
- installation voltage must be specified 115, 208-230, 460
- installed on unit and wired to unit contactor
- disconnects are configured as part of the model numbering for a unit (see page 67)

TR40

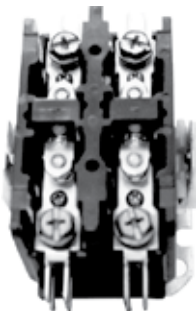
TRANSFORMER RELAY PACKAGE



- provides a 24 VAC, 40 VA class II power supply for unit control
- includes isolation relay with low voltage circuit breaker
- handles any RenewAire unit with one contactor
- installation voltage must be specified 115, 208-230, 460
- installed in unit electric box
- TR40 is configured as part of the model numbering for a unit (see page 67)

IBC

INDEPENDENT BLOWER CONTROL



- adds a second contactor to allow independent control of exhaust fan and supply fan
- may be used to provide economizer (no heat recovery operation) function
- can provide relief fan or make-up air function to benefit building pressurization
- IBC is configured as part of the model numbering guide for a unit (see page 67)