

# ERV-24-Series

## Thermostat & Fan cycler

### Application

The ERV-24-Series bring you the cutting-edge in technology into an extremely simple 24Vac thermostat.

FanCycler™ incorporated into a simple to use wall mount thermostat, with a stylish design.



### General Description

- ✎ Surface Mount 24 VAC thermostat
- ✎ Programmable or Non programmable (Field Technician configured)
- ✎ Large LCD Display, Easy to Read and Program
- ✎ Auto Changeover or Manual Heat/Cool (Field technician configured)
- ✎ Compressor Short Cycle Protection
- ✎ Fresh Air Damper output - Power Open (Spring close)
- ✎ External Temperature Sensing
- ✎ Multi-sensor Temperature Averaging
- ✎ Fully Electronic for Accurate Control and Better Comfort
- ✎ Meets Title 24 Residential Requirements in California
- ✎ Proven Reliability Backed by the World's Most Experienced Manufacturer of Air Conditioning and Heating Controls

### FanCycler™ -Configurable Features

- ⊕ Fan Cycling
- ⊕ Ventilation Damper cycling
- ⊕ Fan Over-Run after cooling operation
- ⊕ Fan Cycling availability at night in heating mode
- ⊕ Combo system pump cycling (multi-family application)

### Data storage - Diagnostics

- 💡 Average cooling set point (while cooling is active)
- 💡 Average heating set point (while heating is active)
- 💡 Average number of cooling cycles per day while in cooling mode
- 💡 Average number of heating cycles per day while in heating mode
- 💡 Average length of cooling cycle
- 💡 Average length of heating cycle

*We make life more comfortable*

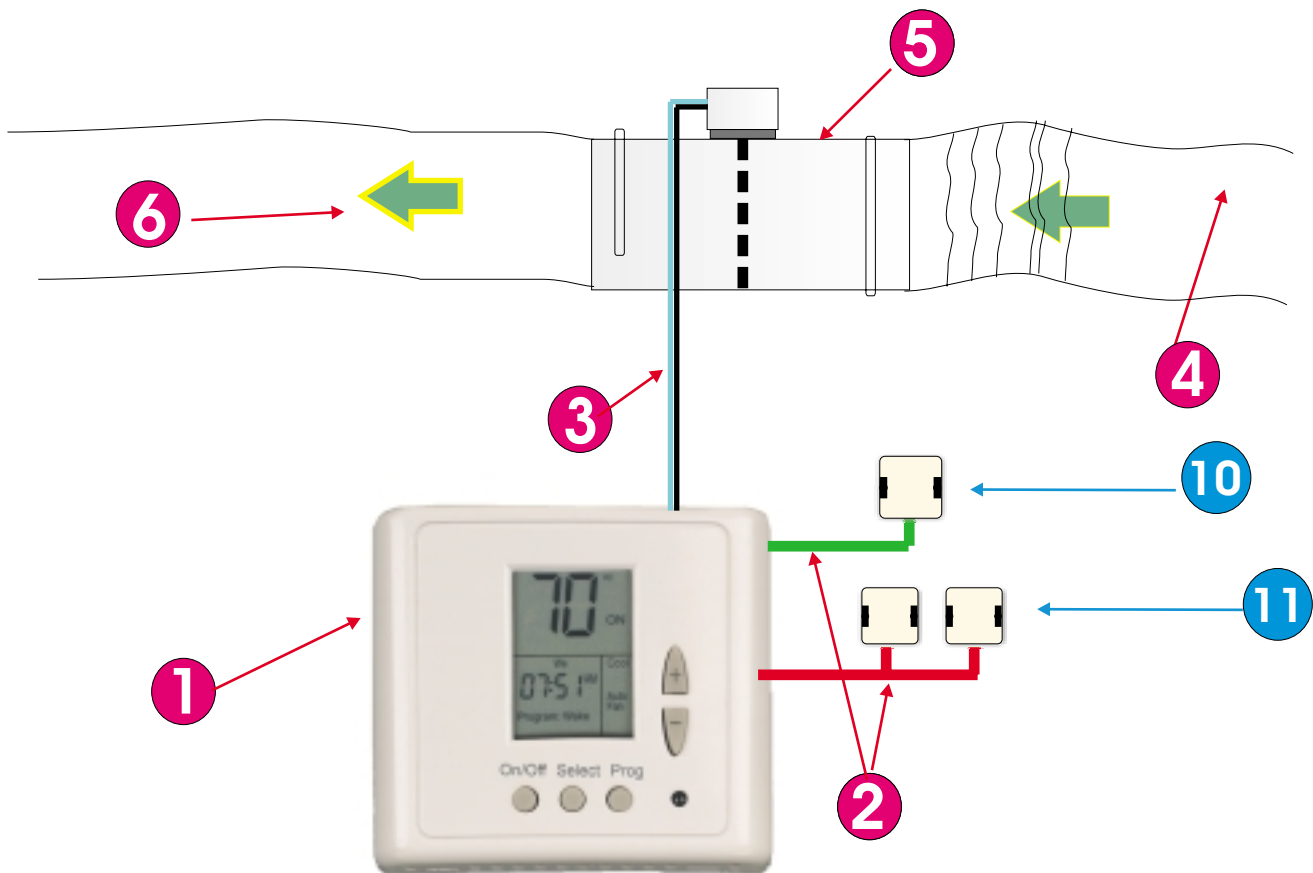
# Typical layout

## General connections

- 1 ERV-24 thermostat with FanCycler™
- 2 2 wires for optional remote temperature sensors
- 3 2 wires for Fresh Air Damper
- 4 Outside Fresh Air
- 5 2 Pos 24 VAC Motorized Damper
- 6 To Return Air & Filter

## Remote temperature sensing option

- 10 One point - Rs01
- 11 Two points - Rs02



## Models

- ERV-24-HC11 - 1 cool - 1 heat
- ERV-24-HP21 - 1 stage heat pump with EMH (Emergency heat)

Protected by one or more of the following patents: US 5,547,017- 5,881,806 - 6,431,268 CA 2,245,135



Systems  
Controls &  
Instruments, L.L.C.

800-663-8107 [www.scillc.com](http://www.scillc.com)