

# Make-Up Air Ventilation Damper System

The ZONEFIRST Make-Up Air Ventilation Damper System is designed to provide outdoor make-up air whenever an exhaust fan or ventilation hood is operating to replace the exhausted air by introducing make-up air into the building. This system is a kit consisting of three basic components, the RDSC motorized damper, which opens to allow air outdoor air into the building, the SPS pressure sensor to sense when the exhaust fan is operating and a the T24, 24V. Transformer to power the damper. When the exhaust fan or hood is on, the pressure switch will sense the air pressure and power open the RDSC damper. When the exhaust fans are off the SPS will not sense and pressure cutting power to the RDSC and the damper will spring closed against the damper's internal seal insuring a tight seal.



**RDSCdd**  
24V. Normally Closed Damper



**SPS**  
Static Pressure Switch

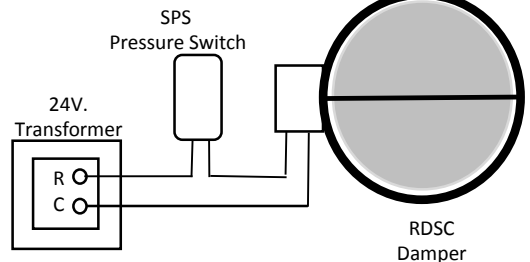


**T24**  
24V. Transformer

- Models available are:
- Model VK2404 includes 4" Damper
  - Model VK2405 includes 5" Damper
  - Model VK2406 includes 6" Damper
  - Model VK2407 includes 7" Damper
  - Model VK2408 includes 8" Damper
  - Model VK2409 includes 9" Damper
  - Model VK2410 includes 10" Damper
  - Model VK2412 includes 12" Damper
  - Larger dampers sizes available to 20" diameter.

- Meets IRC Code M1503.4
- Normally Closed 24V. Spring Return Damper, RDSCdd
- Internal Gasket for tight shut-off when closed
- Damper can be adjusted for minimum position
- 22/24 gauge spiral construction
- Includes air pressure switch SPS
- Includes 24V. 40VA Transformer
- Up to Six (6) Additional RDSC Dampers can be added

### Wiring Diagram



Job Name:	Quantity	Remarks
Location:		
Architect:		
Engineer:		
Contractor:		
Submitted By:		
Date:		