

CoolMizer®

SPECIFICATION SHEET

CoolMizer® is an all-in-one economizer designed for residential and light commercial systems, including package and split systems. Built-in sensors measure outdoor temperature and humidity, and provide control based on adjustable decision points.

PARTS

CoolMizer Panel
PAN-COOLM



Square Dampers

STK-COOLS - Damper², less than 300 sq. in.
STK-COOLC - Damper², 300 sq. in. or more

Round Dampers

DAM-SPRCLD - Spring closed component kit
DAM-SPROPN - Spring open component kit
DAM-RVSACT - Reverse acting component kit



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THE CONTROL SYSTEM

The CoolMizer control system monitors outdoor temperature and humidity, along with indoor conditioning demands. A thermostat call prompts CoolMizer to examine outdoor conditions and determine if they are favorable (as programmed by the HVAC contractor) for free conditioning. If they are, the thermostat call will not start equipment but instead only energize the system's blower

while a damper opens to the outdoors allowing fresh air to be drawn into the return.

- Fully programmable temperature and humidity settings
- Alternative to expensive enthalpy controls
- Interfaces with exhaust air products (range hood, bath fan) via relay

THE DAMPERS

CoolMizer takes advantage of Damper²™ technology. The intake damper(s) have two functions. A larger opening is sized to provide enough air through the system to heat or cool the space. A smaller opening provides ventilation air to dilute and remove indoor pollutants and meet ventilation requirements.

- Reliable air-driven actuators
- Multiple stock sizes and custom sizes available
- Easy slip-in installation
- Tight seal minimizes air leakage

CUSTOMIZATION

There are separate settings for high temperature, low temperature and high humidity for heating, cooling, economizer and ventilation operations.

Contractors work with homeowners to decide what limits work best for where they live, the way they use their home, and their comfort goals.

A setup wizard walks you through the simple configuration process on a large LCD screen.

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Technical Support

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