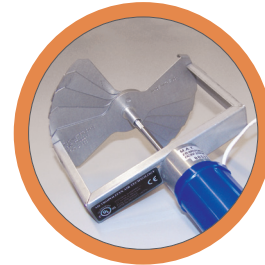


# Introducing **Standalone MicroZone™**

**In partnership with 75F, Metropolitan Air Technology now offers the Standalone MicroZone automated temperature control system.**

Convert any existing diffuser into a VAV diffuser with individual temperature control to provide optimum comfort in a space. The system consists of a digital thermostat controlling up to two motorized MAT dampers which create a VAV zone. The digital thermostat/controller enables people to choose desired temperatures and allows the installer to program custom functions.



## **BENEFITS**

### **Individual Comfort & Control**

A 75F Standalone MicroZone is a VAV zone that provides optimum heating and cooling airflow to a space. The Wall Room Module (WRM) thermostat/ controller senses room temperature, humidity and discharge airflow temperature. Automatically sensing heating and cooling modes, the WRM controls the motorized damper to modulate airflow to match individual comfort requirements of the space.

### **Low Cost & Easy Installation**

The 75F Standalone MicroZone can be installed in just minutes and requires no programming. Using the Up or Down button, set the desired temperature and walk away. If installers need to customize settings, the digital wall controller is easily accessed and control parameters can be quickly customized. This unit automatically senses if heating or cooling is on and modulates airflow to achieve the desired setpoint.

### **Fully Compatible**

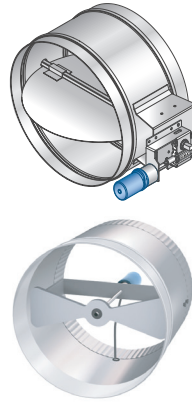
The 75F Standalone MicroZone is compatible with all round and rectangular HVAC ducting and all control systems. A range of round dampers from 6" to 18" and rectangular dampers from 6x6 to 20x24 are available. The controller is upgradeable via microswitch to become part of a full 75F Dynamic Airflow Balancing solution.



## PRODUCT FEATURES

### Thermostat/Controller

- Mounts into an existing or old work electrical box and uses commonly available faceplates for the front fascia
- Requires no manual tuning or set-up of HVAC control parameters, but are available to installer if needed for custom operation
- Unique serial number with tracking of installation date and firmware revision



### Metropolitan Air Technology Radial & External Actuator Dampers

- Dampers are pre-mounted into sleeves matching HVAC ducting for easy installation
- Dampers are pre-terminated with 25' of control/power cable with RJ connector that snaps into the WRM
- MAT offers a full range of damper shapes and sizes to fit all available HVAC ducting

## SYSTEM SPECIFICATIONS

- HVAC: Control of up to 2 smart dampers. Each damper is passive and includes independent airflow temperature sensor
- Can be installed on up to 20% of a Constant Volume zone
- Supply: 5v DC. Consumption: .1 VA (typ), .2 VA (max)
- Microprocessor: Atmel Xmega @ 32mhz

### Thermostat Controller:

- Screen: Custom LCD with backlight
- Connections: 2 modular RJ-14 jacks for dampers. Terminal strip for power
- Dimensions: 78 mm x 122 mm (3.1" x 4.8"). 4mm outside wall, 93 mm inside wall (depends on electrical box used)
- Environment: 0-50 deg C (32-122 deg F)

DAMPER	MAT DAMPER MODEL(S)	AVAILABLE SIZES
Round (Radial) Smart Damper with Sleeve & Harness Pre-Assembled	75F-150	6", 8", 10" and 12"
Round Damper with External Actuator & Harness Pre-Assembled	75F-250 with 75F-WGA Damper Drive	4" thru 20"
Rectangular Opposed or Parallel Blade Damper with External Actuator & Harness Pre-Assembled	75F-200 with 75F-WGA Damper Drive	Min Size: 6" x 5" Max Size: 24" x 20"