

ENGINEERING DATA



EvenAir 2.0

Balanced Air Control System



MODEL PART NUMBER

☐ EvenAir 2.0 Control Kit 601606800

EVENAIR 2.0 CONTROL KIT INCLUDES

EvenAir 2.0 Controller
(2) Temperature Sensors

OPTIONAL ACCESSORY

☐ Temperature Sensor 580011301

AVAILABLE COMFORT DAMPERS (MODULATING DAMPERS)

☐ MD-4 603202304	☐ MD-10 603202310
☐ MD-5 603202305	☐ MD-12 603202312
☐ MD-6 603202306	☐ MD-14 603202314
☐ MD-7 603202307	☐ MD-16 603202316
☐ MD-8 603202308	☐ MD-18 603202318
☐ MD-9 603202309	☐ MD-20 603202320
☐ MD-8X8 603230808	☐ MD-16X10 603231610
☐ MD-10X8 603231008	☐ MD-18X10 603231810
☐ MD-12X8 603231208	☐ MD-20X10 603232010
☐ MD-14X8 603231408	☐ MD-22X10 603232210
☐ MD-16X8 603231608	☐ MD-24X10 603232410
☐ MD-18X8 603231808	☐ MD-12X12 603231212
☐ MD-20X8 603232008	☐ MD-14X12 603231412
☐ MD-22X8 603232208	☐ MD-16X12 603231612
☐ MD-24X8 603232408	☐ MD-18X12 603231812
☐ MD-10X10 603231010	☐ MD-20X12 603232012
☐ MD-12X10 603231210	☐ MD-22X12 603232212
☐ MD-14X10 603231410	☐ MD-24X12 603232412
☐ MD-14X14 603231416	☐ MD-16X16 603231616

DESCRIPTION

The new EvenAir 2.0 Control is not a zoning system. It is a simplified comfort solution that allows a single HVAC system to cost-effectively balance temperatures throughout the home; solving common discomfort issues when areas in the home are too hot in summer and too cold in winter.

The EvenAir installation is simple. The EvenAir control works with any standard 24V non-proprietary thermostat and is installed near the air handler. A temperature sensor is installed in both the living area and the sleeping area. The controller can support a 3rd area as needed. Area Comfort Dampers control the airflow to each area are installed on the supply air ductwork.

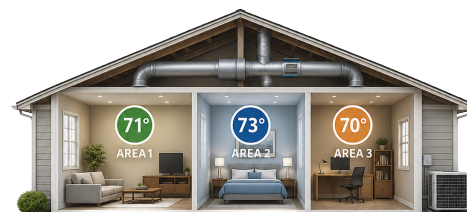
FEATURES

- **Automatic Temperature Balancing:** The controller reads temperatures in multiple areas and automatically adjusts to balance area temperatures with a single HVAC system.
- **Simple Multi-Area Design:** The EvenAir 2.0 reads independent area temperature sensors and controls damper for up to 3 areas.
- **Universal Thermostat Connection:** Works with any conventional 24 VAC thermostat, so homeowners can interface with the thermostat they like most.
- **Works In All System Modes 24/7/365:** Balances temperatures in Heating/Cooling Mode, Fan Only Mode, and Idle Mode by circulating air after 1-4 hours of no HVAC operation.
- **Precision Modulating Dampers:** Uses simple, reliable modulating dampers (not standard zone dampers that only open or close) to fine-tune airflow quickly to each area.
- **Multiple Dampers Per Area:** Capable of modulating up to 5 dampers in parallel per area.
- **What's Included:** Controller with (2) temperature sensors. Dampers sold separately

BENEFITS

- **Universal Thermostat Compatibility:** Works with any traditional 24VAC non-proprietary thermostat
- **Works With Virtually Any HVAC System:** Compatible with most HVAC systems, including 2-stage heating/cooling, heat pumps, and variable speed system.
- **Not A Smart Home Platform:** Does not require periodic software updates
- **Install it and Forget it:** Configure DIP switches and let system operate
- **Reduced Airflow Verification:** Requires only one airflow test, compared to multiple tests required for zoning systems
- **Simple Setup and Installation:** No complex setting with straightforward installation.
- **Lower Installation Cost:**
 - No zoning panel required
 - No discharge air sensor required
 - No outdoor air temperature sensor required
 - No bypass damper and interconnecting bypass ductwork required
 - No barometric damper required
 - No additional thermostat required for each zoned area

APPLICATION



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ELECTRICAL REQUIREMENTS

	Power	Watts
Control & MD Series Dampers	24VAC	10.1 W Max



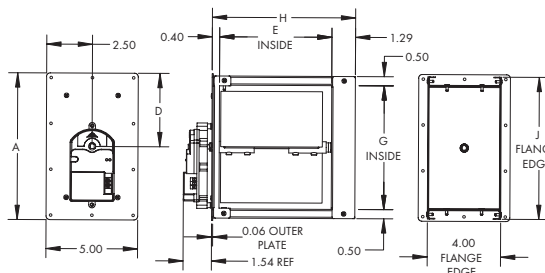
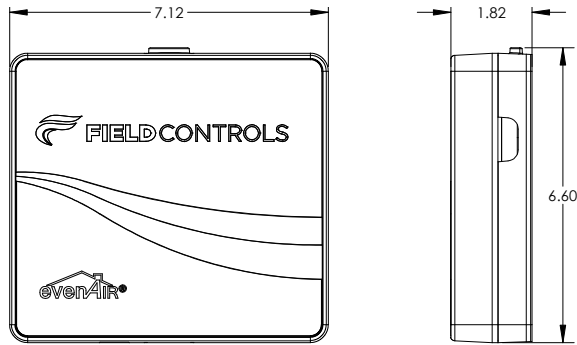
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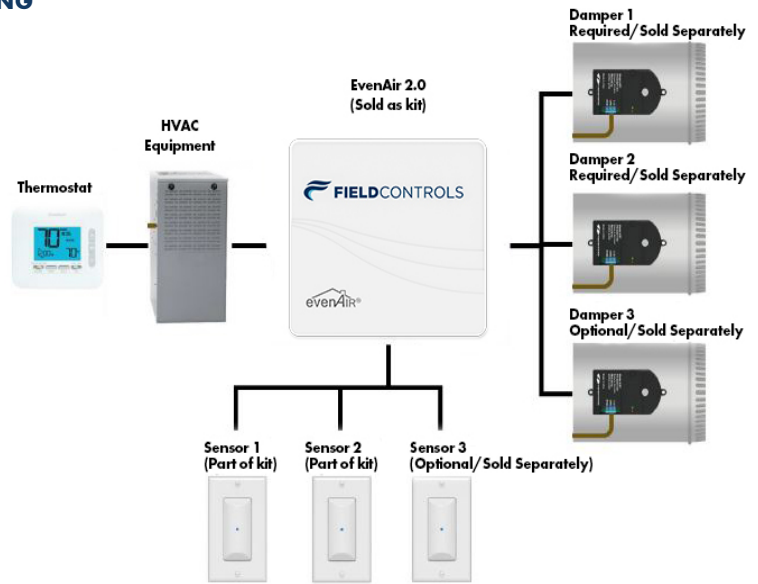
ENGINEERING DATA

DIMENSIONAL DATA

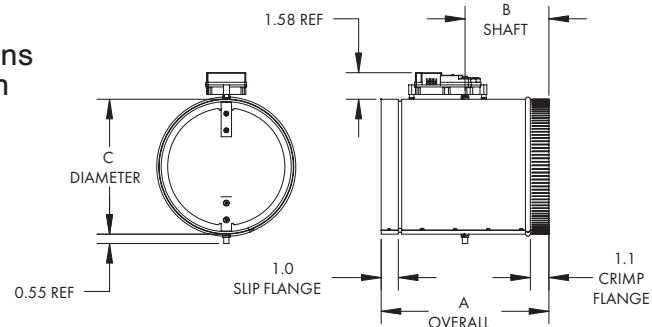


DAMPER SIZE	PART NUMBER	OUTER COVER PLATE (HEIGHT)		SHAFT	INSIDE DUCTWORK		OVERALL LENGTH	FLANGE HEIGHT
		A	D		E	G		
8x8 RECTANGULAR	603230808	8.00	4.00	6.12	6.75	7.75	7.75	
10x8 RECTANGULAR	603231008	8.00	4.00	8.12	6.75	9.75	7.75	
12x8 RECTANGULAR	603231208	8.00	4.00	10.12	6.75	11.75	7.75	
14x8 RECTANGULAR	603231408	8.00	4.00	12.12	6.75	13.75	7.75	
16x8 RECTANGULAR	603231608	8.00	4.00	14.12	6.75	15.75	7.75	
18x8 RECTANGULAR	603231808	8.00	4.00	16.12	6.75	17.75	7.75	
20x8 RECTANGULAR	603232008	8.00	4.00	18.12	6.75	19.75	7.75	
22x8 RECTANGULAR	603232208	8.00	4.00	20.12	6.75	21.75	7.75	
24x8 RECTANGULAR	603232408	8.00	4.00	22.12	6.75	23.75	7.75	
10x10 RECTANGULAR	603231010	10.00	2.83	8.12	8.75	9.75	9.75	
12x10 RECTANGULAR	603231210	10.00	2.83	10.12	8.75	11.75	9.75	
14x10 RECTANGULAR	603231410	10.00	2.83	12.12	8.75	13.75	9.75	
16x10 RECTANGULAR	603231610	10.00	2.83	14.12	8.75	15.75	9.75	
18x10 RECTANGULAR	603231810	10.00	2.83	16.12	8.75	17.75	9.75	
20x10 RECTANGULAR	603232010	10.00	2.83	18.12	8.75	19.75	9.75	
22x10 RECTANGULAR	603232210	10.00	2.83	20.12	8.75	21.75	9.75	
24x10 RECTANGULAR	603232410	10.00	2.83	22.12	8.75	23.75	9.75	
12x12 RECTANGULAR	603231212	12.00	3.54	10.12	10.75	11.75	11.75	
14x12 RECTANGULAR	603231412	12.00	3.54	12.12	10.75	13.75	11.75	
16x12 RECTANGULAR	603231612	12.00	3.54	14.12	10.75	15.75	11.75	
18x12 RECTANGULAR	603231812	12.00	3.54	16.12	10.75	17.75	11.75	
20x12 RECTANGULAR	603232012	12.00	3.54	18.12	10.75	19.75	11.75	
22x12 RECTANGULAR	603232212	12.00	3.54	20.12	10.75	21.75	11.75	
24x12 RECTANGULAR	603232412	12.00	3.54	22.12	10.75	23.75	11.75	
14x16 RECTANGULAR	603231416	16.00	4.54	12.12	14.75	13.75	15.75	
16x16 RECTANGULAR	603231616	16.00	4.54	14.12	14.75	15.75	15.75	

WIRING



All dimensions shown are in inches.



DAMPER SIZE	PART NUMBER	OVERALL LENGTH	SHAFT	PIPE DIAMETER
		A	B	C
4 Round	603202304	10.0	4.0	4
5 Round	603202305	10.0	4.0	5
6 Round	603202306	10.0	4.0	6
7 Round	603202307	10.0	4.0	7
8 Round	603202308	10.0	5.0	8
9 Round	603202309	10.0	5.0	9
10 Round	603202310	10.0	5.0	10
12 Round	603202312	12.0	6.0	12
14 Round	603202314	14.0	7.0	14
16 Round	603202316	16.0	8.0	16
18 Round	603202318	18.0	9.0	18
20 Round	603202320	20.0	10.0	20

PROJECT INFORMATION



Field Controls
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Kinston, NC 28504

Customer Service: 252 522-3031
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Visit us at: www.fieldcontrols.com

Quoted by:	Date:
Project:	Remarks:
Quantity:	
Model:	
Site:	
Architect:	
Engineer:	
Contractor:	