

SPECIFICATIONS

General Information

- 4 independent airflow zones (set point control)
- Client or Pressure Control Mode (0-10VDC)
- Technician Hot Aisle Control Mode
- SNMP or TCP/IP LAN Ethernet control/monitoring
- Automatic Alarm Email with configuration
- 1867 Cfm at 0.1" Static Pressure w/ DirectAire AI
- Fail Safe Operation For 100% Opening In < 6 sec.
- High speed integrated controller with PID Loop
- Weight: 10 lbs (4.5 kg)
- Aluminum Extruded frame with Aluminum covers
- Black E-coat Finish
- Single button Celsius unit conversion
- 12 vane design split into 4 zones
- Zone disabling for partially loaded racks
- Simple Panel mounted Installation
- 20" x 22.5" x 3.35" For Use in >6" FFH
- 10VA Peak & 3VA Typical
- Power over Ethernet (PoE IEEE 802.3af)

See *Installation guide for additional PoE detail*

- Alternate: 2.1x5.5mm center positive 5V min 2A

INCLUDED COMPONENTS

- 4 x 16' long Probe Temperature Trees
- 10 x Black zip ties.
- On-board Battery Backup

REQUIRED COMPONENTS

- DirectAire®, DirectAire® X2 or DirectAire® AI
- 4 x (5mmx5mm) Screws (for DirectAire® AI)
- 2 x Hangers (for DirectAire® variants)
- PoE Capable Switch or injector (IEEE 802.3af)
- 1 x PoE and Network Cable (Plenum Rated CAT5)
- DHCP Network for TCP/IP and SNMP

UNDERSTRUCTURE OPTIONS

- 24" Bolted Stringer Steel System
- 60cm Bolted Stringer Steel System

CERTIFICATIONS

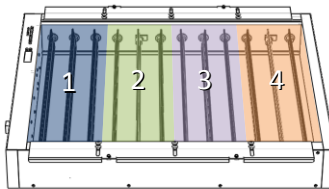
- United States: MET: UL 60950-1 2nd Edition
- Canada: MET: CSA C22.2 No. 60950-1 2nd Edition
- European Union: MET: "CE"; EN 60950-1:2006 2nd Edition with Am. 1



Field Mounts to DirectAire AI panels to for easy installation and improved airflow control range



Temperature Control Interface for Local Control and disabling individual zones



Individual Zones for airflow control into ~10U Rack Segments



Power over Ethernet (PoE) and BMS integration Included

PERFORMANCE

SmartAire™ MZ Paired with DirectAire™ AI			
CFM @ Static Pressure (in. wc)	Panel Mounted		
	Closed	100% Open	(kW)
0.02	55	869	6.4
0.04	79	1208	8.9
0.05	89	1343	10.0
0.06	98	1465	10.9
0.08	114	1679	12.4
0.1	129	1867	13.8
0.12	142	2036	15.1
0.14	154	2190	16.2
0.16	165	2334	17.3
0.18	176	2468	18.3
0.2	186	2594	19.2

SmartAire™ MZ Paired with DirectAire™			
CFM @ Static Pressure (in. wc)	Hanger Installation		
	Closed	100% Open	(kW)
0.02	113	939	7.0
0.04	158	1312	9.7
0.05	177	1461	10.8
0.06	193	1595	11.8
0.08	222	1833	13.6
0.1	248	2041	15.1
0.12	271	2228	16.5
0.14	292	2400	17.8
0.16	312	2560	19.0
0.18	331	2709	20.1
0.2	348	2850	21.1

DIMENSIONS AND CONNECTIONS

