

DCAS DATA CENTER AISLE SENTRY SUBMITTAL AND DATA SHEET



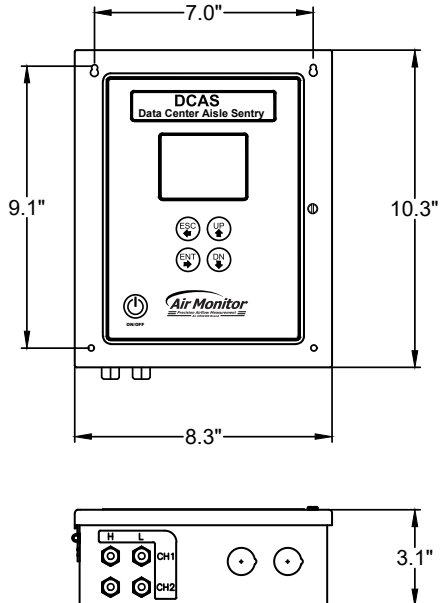
DESCRIPTION

The DCAS is an ultra high accuracy differential pressure measurement device that can be combined with multiple static pressure sensors to control and optimize aisle pressurization. Specifically designed for data centers, the dual channel transmitter provides reliable readings to maximize energy efficiency.



PERFORMANCE SPECIFICATIONS System Accuracy: Transducer Accuracy: Differential Pressure Display Resolution:	±2% of reading when combined with Air Monitor Probes ±0.75% of reading from 0.01 to 0.4 in W.C. 0.00001"WC.
OPERATING CONDITIONS Ambient Temperature: Fluid Temperature Range: Humidity: Overpressure Limit:	-20°F to 180°F (storage). 0°F to 120°F (without optional heater), -40 to 120°F (with optional heater). 0 to 99% RH, non-condensing. 30 psig
SYSTEM CONFIGURATIONS	Single Channel, Dual-Channel
INPUT POWER 24 VAC: 24 VDC:	15 VA @ 24 VAC 10 W @ 24 VDC
I/O SIGNALS Analog Outputs:	Two (2) isolated analog outputs, selectable based on configuration for 4-20mA and 0-10VDC.
PROGRAMMING	Menu driven user interface via four (4) pushbuttons.
ELECTRONICS ENCLOSURE Display: Available Options:	3.5" diagonal color graphical TFT LCD. • Aluminum, NEMA 1.
ELECTRONICS CONNECTIONS Power: Communications: I/O:	Removable terminal block for use with 16 to 24 gauge wire. Removable terminal block for use with 16 to 24 gauge wire. Removable terminal block for use with 16 to 24 gauge wire.
PROCESS CONNECTIONS Available Options:	• 1/4" compression, for both High and Low signal connections. • 3/16" hose barb, for both High and Low signal connections.
COMPATIBLE AIR MONITOR SENSORS	• SAP/B • SAP/P • SAP/R • SAP/S • STAT-Probe/

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<p>DIMENSIONAL SPECIFICATIONS NEMA 1 ENCLOSURE</p>	
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MODEL SELECTION GUIDE

Model Number Coding - DCAS-ABCD

DCAS-	A	B	C	D
<p>A = Model Configurations</p> <p>1 = Single Channel</p> <p>2 = Dual-Channel</p>	<p>B = Enclosure</p> <p>1 = NEMA 1 Aluminum</p>	<p>C = Feature Set (Based on model configuration)</p> <p>2 = 24 AC/DC Power, Two (2) Analog Outputs</p>	<p>D = Process Connection</p> <p>1 = 1/8" FNPT</p> <p>2 = 1/8" FNPT x 1/4" compression</p> <p>3 = 1/8" FNPT x 3/16" hose barb</p>	

ITEM	TAG ID	CHANNEL	ANALOG (4-20mA, 0-10V)	# OF SENSORS ON CHANNEL	SENSOR SELECTED	NOTES
1		Channel 1				
		Channel 2				
2		Channel 1				
		Channel 2				
3		Channel 1				
		Channel 2				
4		Channel 1				
		Channel 2				
5		Channel 1				
		Channel 2				
6		Channel 1				
		Channel 2				
7		Channel 1				
		Channel 2				
8		Channel 1				
		Channel 2				
9		Channel 1				
		Channel 2				
10		Channel 1				
		Channel 2				
11		Channel 1				
		Channel 2				
12		Channel 1				
		Channel 2				



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TO:

DATE:

PROJECT NAME:

CONTRACTOR:

ENGINEER:

ONICON REP:

SUBMITTAL FOR:

RECORD

APPROVAL

APPROVED BY:

RELEASED FOR:

MANUFACTURING AND SHIPMENT

HOLD FOR RELEASE

APPROVED

APPROVED AS NOTED

DISAPPROVED

EXPLANATION:

PLEASE RETURN APPROVED DRAWINGS TO:

ATTENTION:

SUBMITTED BY:

