

SUBMITTAL SHEET

CAMM COMBUSTION AIRFLOW MANAGEMENT MODULE

OPTIONS	Special Functions <input type="checkbox"/> Summed Flow <input type="checkbox"/> Differential Flow	Power <input type="checkbox"/> 24VAC <input type="checkbox"/> 20-40VDC <input type="checkbox"/> 120VAC (via external transformer)	Certification <input type="checkbox"/> Standard <input type="checkbox"/> NIST Traceable	Network <input type="checkbox"/> None (std) <input type="checkbox"/> Modbus TCP/IP over Ethernet <input type="checkbox"/> LonWorks
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PERFORMANCE SPECIFICATIONS

Accuracy.
±0.1% of Natural Span, including non-linearity, hysteresis, and non-repeatability.

Stability.
±0.5% of Natural Span for six months.

Temperature Effect
Zero. None; corrected by AUTO-zero.
Span. 0.015% of Full Span/°F.

Mounting Position Effect.
None; corrected by AUTO-zero.

Transducer Response Time.
0.5 second to reach 98% of a step change.

Power Consumption.

	Standard		w/AUTO-purge	
	In Rush	Hold	In Rush	Hold
24VAC	14.4VA	14VA	85VA	73VA
24VDC	9.6W	9.0W	37W	37W
120VAC	19.2VA	18.67VA	106VA	92VA

FUNCTIONAL SPECIFICATIONS

Digital Outputs.
Two Form 'C' contacts and dual Form 'A' dry contacts rated for 3A at 24VAC/DC used for AUTO-purge activation (SV₁ and SV₂) and acknowledgment.

Digital Inputs.
External dry contact closure for AUTO-purge external start and purge interrupt commands.

Analog Outputs.
Four outputs for flow, temperature, absolute pressure, and differential pressure or special function individually configurable via jumper for 0-5VDC, 0-10VDC, or 4-20mADC.

Analog Inputs.
Dual inputs are field configurable via jumper for 0-5VDC, 0-10VDC, or 4-20mADC. One is reserved for temperature input; the other for use with optional special function.

AUTO-purge Management.
AUTO-purge cycle is initiated via an external dry contact input, or via an internal timer with field selectable frequencies of 1 to 24 hours, in 1 hour increments. A Form 'A' contact controls the AUTO-purge System; a second dry contact provides remote purge activation & acknowledgment.

Power Supply.
Standard 24VAC (20-28VAC) or 24VDC (20-40VDC), with automatic selection. Optional 120VAC (100-132 VAC) via external UL listed transformer.

Low Pass Filtration.
Response time to reach 98% of a step change is adjustable from 2.0 to 30.0 seconds.

Automatic Zeroing.
Accuracy. Within 0.1% of calibrated span.
Frequency. Every 1 to 24 hours selectable on 1 hour intervals.

Overpressure and Static Pressure Limit.
25 psig.

Circuit Protection.
Power input is fused and reverse polarity protected.

Span and Zero Adjustment.
Digital, via internally located push-buttons.

Displays.
Standard 5 line x 20 character backlit graphical LCD provides five lines of data display. LED's indicate CPU activated, AUTO-zero in progress, and AUTO-purge in progress.

Temperature Compensation Selection.
Push-button selection of linearized or nonlinear input. Choice of thermocouple (Type E, K, J, and T) or 100 ohm platinum RTD temperature sensor type.

Pressure Compensation.
Absolute pressure (atmosphere or duct static), up to 60"Hg.

Humidity Limits.
0-95% RH, non-condensing.

Temperature Limits.
-20°F to 180°F Storage.
+40°F to 140°F Operating.

