

CAMM with Rapid Stop

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																								
PERFORMANCE SPECIFICATIONS																												
Accuracy. ±0.25% of Natural Span, including non-linearity, hysteresis, and non-repeatability.		Transducer Response Time. 0.5 second to reach 98% of a step change.																										
Stability. ±0.5% of Natural Span for six months.		Power Consumption.																										
Temperature Effect Zero. None; corrected by AUTO-zero. Span. 0.015% of Full Span/°F.		<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Standard</th> <th colspan="2">w/AUTO-purge</th> </tr> <tr> <th>In Rush</th> <th>Hold</th> <th>In Rush</th> <th>Hold</th> </tr> </thead> <tbody> <tr> <td>24VAC</td> <td>14.4VA</td> <td>14VA</td> <td>225VA</td> <td>123VA</td> </tr> <tr> <td>24VDC</td> <td>9.6W</td> <td>9.0W</td> <td>61W</td> <td>61W</td> </tr> <tr> <td>120VAC</td> <td>19.2VA</td> <td>18.67VA</td> <td>282VA</td> <td>155VA</td> </tr> </tbody> </table>				Standard		w/AUTO-purge		In Rush	Hold	In Rush	Hold	24VAC	14.4VA	14VA	225VA	123VA	24VDC	9.6W	9.0W	61W	61W	120VAC	19.2VA	18.67VA	282VA	155VA
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Mounting Position Effect. None; corrected by AUTO-zero.																												
FUNCTIONAL SPECIFICATIONS																												
Digital Outputs. Two Form 'C' contacts and dual Form 'A' dry contacts rated for 3A at 24VAC/DC for AUTO-purge activation (SV ₁ and SV ₂), bleed and acknowledgment.		Automatic Zeroing. Accuracy. Within 0.1% of calibrated span. Frequency. Every 1 to 24 hours selectable on 1 hour intervals.																										
Digital Inputs. Dry contacts for AUTO-purge external start and purge interrupt command.		Overpressure and Static Pressure Limit. 25 psig.																										
Analog Outputs. Four outputs for flow, temperature, absolute pressure, and differential pressure <u>or</u> special function individually configurable via jumper for 0-5VDC, 0-10VDC, or 4-20mADC.		Circuit Protection. Power input is fused and reverse polarity protected.																										
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.		Span and Zero Adjustment. Digital, via internally located push-buttons.																										
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. An Form 'A' contact controls the AUTO-purge System; a second dry contact provides remote purge activation and acknowledgment.		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.																										
Power Supply. Standard 24VAC (20-28VAC) or 24VDC (20-40VDC), with automatic selection. Optional 120VAC (100-132 VAC) via external UL listed transformer.		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.																										
Low Pass Filtration. Response time to reach 98% of a step change is adjustable from 2.0 to 30.0 seconds.		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.																										

