

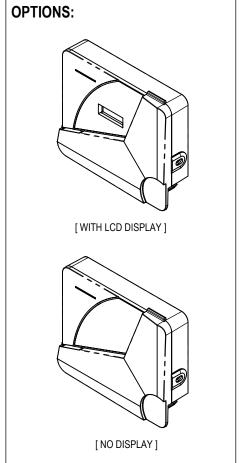
Product Submittal

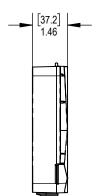
Sheet 1 of 7

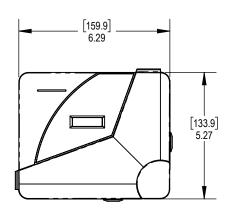
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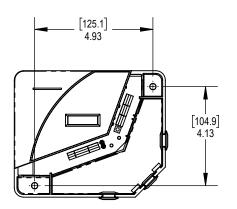
| STREAM TRANSMITTER SPECIFICATIONS | | | | |
|-----------------------------------|---|---|---------------------------|--|
| ENVIRONMENTAL (OPERATING) | -30°C to 70°C (-22°F to 158°F), 0% to 95% R.H. (NON-CONDENSING) | | | |
| ENVIRONMENTAL (STORAGE) | -30°C to 70°C (-22°F to 158°F), 5% to 95% R.H. (NON-CONDENSING) | | | |
| INPUT POWER | 24 VAC ± 10% Class 2, 50/60 Hz 19 VA MAX, 16 SENSORS (2.2 VA TRANSMITTER ONLY) 24 VDC (18 – 32 VDC) 550 mA MAX, 16 SENSORS (32 mA TRANSMITTER ONLY) | | | |
| INPUTS | 2 UNIVERSAL INPUTS | BINARY (CONTACT CLOSURE or ACTIVE), VOLTAGE (0 – 10 VDC), RESISTIVE (0 – 50 $k\Omega$) | | |
| OUTPUTS | 4 ANALOG OUTPUTs (0 to 10 VDC, MAX: 10 mA) | | | |
| COMMUNICATION | BACNET IP, BACNET MS/TP (9600, 19200, 38400, 76800 baud rates) BLUETOOTH v5.0 (OPTIONAL) LINBUS, AUTO-ADDRESSING, 19200 baud | | | |
| INDICATORS | 1 MULTICOLOR STATUS LED ANDROID/IOS/DESKTOP APP FOR DIAGNOSTICS & CONFIGURATION LCD DISPLAY (OPTIONAL) | | | |
| HOUSING | UL 94 V-0, PC-ABS PLASTIC | | | |
| CERTIFICATIONS & CONFORMANCE | Conforms to UL Std. 6073 Cert to CSA E60730-1:20 CE (Meets IEC 60730-1:2 FCC/IC | 020 | CE RoHS BTL (B-ASC) | |

DIMENSIONS: inches [mm]









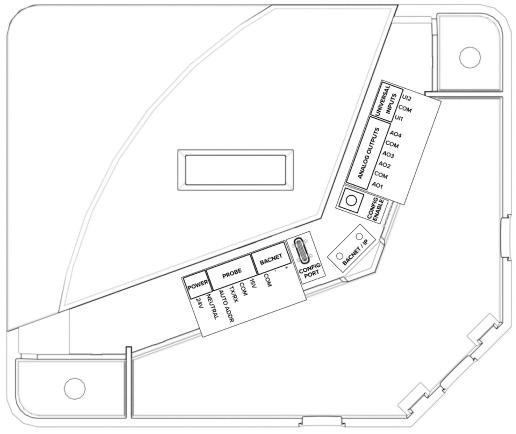


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| POWER | 24V | INPUT POWER, 24V AC/DC | |
|---------|---------|-------------------------|--|
| | NEUTRAL | INPUT POWER, NEUTRAL/CO | |
| | 15V | PROBE POWER, 15VDC | |
| PROBE | СОМ | PROBE POWER, COM | |
| | TX/RX | PROBE COMMUNICATION | |
| | ADDR | PROBE AUTO-ADDRESS | |
| | СОМ | BACNET COM | |
| BACNET | - | BACNET - | |
| | + | BACNET + | |
| | UI1 | UNIVERSAL INPUT 1 | |
| INPUTS | СОМ | INPUT COM | |
| | UI2 | UNIVERSAL INPUT 2 | |
| | AO1 | ANALOG OUTPUT 1 | |
| | СОМ | OUTPUT COM | |
| OUTPUTS | AO2 | ANALOG OUTPUT 2 | |
| OUIFUIS | AO3 | ANALOG OUTPUT 3 | |
| | СОМ | OUTPUT COM | |
| | AO4 | ANALOG OUTPUT 4 | |

TERMINATION:



NOTE: SHOWN WITH LCD DISPLAY OPTION

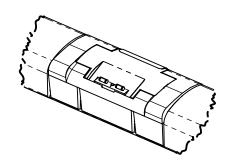


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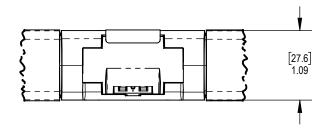
Sheet 3 of 7

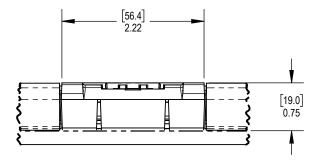
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| VELOCITY/TEMPERATURE SENSOR SPECIFICATIONS | | | | |
|--|--|--|--|--|
| ENVIRONMENTAL (OPERATING) | -40°C to 85°C (-40°F to 185°F), 0% to 100% R.H. (NON-CONDENSING ¹) | | | |
| ENVIRONMENTAL (STORAGE) | -40°C to 85°C (-40°F to 185°F), 5% to 95% R.H. (NON-CONDENSING) | | | |
| INPUT POWER | SUPPLIED BY TRANSMITTER | | | |
| WIRING | RIBBON CABLE (SUPPLIED BY MANUFACTURER) | | | |
| COMMUNICATION | LINBUS, AUTO-ADDRESSING, 19200 BAUD | | | |
| | TYPE | THERMAL DISPERSION | | |
| | THERMISTOR | GLASS ENCAPSULATED, HERMETICALLY SEALED. | | |
| SENSOR | VELOCITY | 0-5000 FPM, 3% OF READING | | |
| | TEMPERATURE | ± 0.1°C, ACROSS OPERATING RANGE | | |
| | HOUSING | PP 10% GLASS | | |



DIMENSIONS: inches [mm]





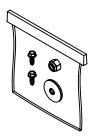
^{1.} Operating the sensor within condensing humidity will limit its ability to provide accurate measurements.



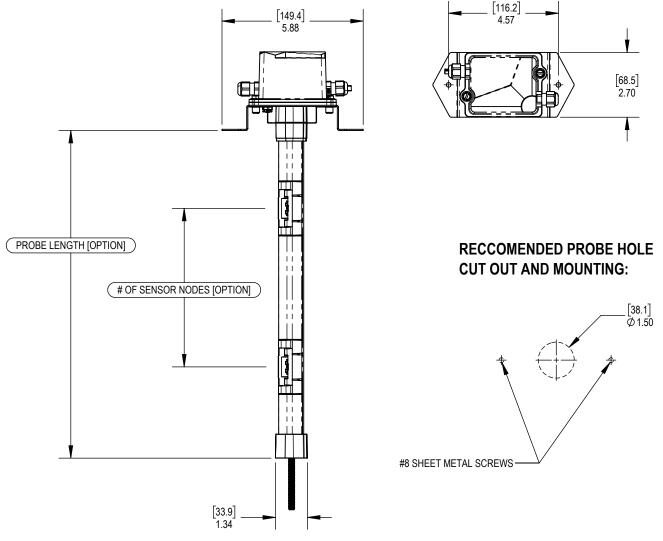
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| PROBE SPECIFICATIONS | | | | | |
|------------------------------|---|-------------------------------------|--|--|--|
| ENVIRONMENTAL (OPERATING) | -40°C to 85°C (-40°F to 185°F), 0% to 100% R.H. (N CONDENSING ¹) | | | | |
| ENVIRONMENTAL (STORAGE) | -40°C to 85°C (-40°F to 185°F), 5% to 95% R.H. (NON-CONDENSING) | | | | |
| PROBE BODY | ANODIZED (TYPE II) 6063-T6 | ANODIZED (TYPE II) 6063-T6 ALUMINUM | | | |
| PROBE END CAP | PP 10% GLASS | | | | |
| PROBE COVER | PP 10% GLASS | | | | |
| CABLE GLANDS | UL94 V-2 NYLON 6 | | | | |
| PROBE GASKET | NBR PVC, CLOSED-CELL | | | | |
| | 18-8SS NYLOCK LOCKNUT, 1 | /4IN-20 | | | |
| MOUNTING HARDWARE (INCLUDED) | 18-8SS NEOPRENE SEALING WASHER | | | | |
| | 18-8SS #8 SHEET METAL SCREWS | | | | |
| CERTIFICATIONS & CONFORMANCE | Conforms to UL Std. 2043 | | | | |



DIMENSIONS: inches [mm]



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2025-06-11



Stream - Airflow Measurement Platform

Product Submittal

STREAM-1-1 - DNW -**Model Name** STREAM-1-1 Transmitter -DNW = With LCD display, no wireless capabilities DBT = With LCD display, with Bluetooth NW = No display, No wireless capabilities BT = No display, with Bluetooth **Probe Housing & Finish** AA = Anodized aluminum Probe Length [Inside Duct Probe Length*] *Note: This length should be selected as the inner duct dimension that the probe will be installed into. 8 = 8" probe length - Up to -120 = 120" probe length **Duct Mounting Configuration** -ES = External rectangular or square duct # of Probes 1 = One probe - up to -4 = Four probes # of Velocity Sensors per Probe 1 = One sensor per probe



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| BACNET POINTS LIST v1.0.0 | | | | | |
|---------------------------|--|-----------------|----------------------------------|--|------------------|
| Object | Name | Units | Range | Description | Write Setting |
| ANALOG | INPUTS | | | | |
| Al1 | [Transmitter name] Al1 – [Al1 Device name] | Dynamic | Dynamic | Analog input with multiple uses See Input section of the user manual for options | R |
| Al2 | [Transmitter name] Al2 – [Al2 Device name] | Dynamic | Dynamic | Analog input with multiple uses See Input section of the user manual for options | R |
| ANALOG | OUTPUTS | | | | |
| AO1 | [Transmitter name] AO1 – [AO1 Device name] | Dynamic | Dynamic | Analog output with multiple uses See Output section of the user manual for options | R/W |
| AO2 | [Transmitter name] AO2 – [AO2 Device name] | Dynamic | Dynamic | Analog output with multiple uses See Output section of the user manual for options | R/W |
| AO3 | [Transmitter name] AO3 – [AO3 Device name] | Dynamic | Dynamic | Analog output with multiple uses See Output section of the user manual for options | R/W |
| A04 | [Transmitter name] AO4 – [AO4 Device name] | Dynamic | Dynamic | Analog output with multiple uses See Output section of the user manual for options | R/W |
| ANALOG | VALUES | | | · · · · · · · · · · · · · · · · · · · | |
| AV01 | [Transmitter name] Average flow velocity | Fpm; m/s | 0 – 5000 fpm 0 – 25 m/s | Average flow rate | R |
| AV02 | [Transmitter name] Average flow volume | CFM; I/s | 0 – 500000 CFM 0 – 240000 L/s | Average volumetric flow rate | R |
| AV03 | [Transmitter name] Average duct temperature | °F; °C | -40°F to 185°F -40°C to 85°C | Average duct temperature | R |
| Note : An | nalog value for AVx0yz, will display as: x = probe number, y | y = sensor node | position | | |
| AVx0y1 | [Transmitter name] Velocity – [Sensor name] | Fpm; m/s | 0 – 5000 fpm 0 – 25 m/s | Sensor velocity reading Hidden if velocity readings are unavailable | R |
| AVx0y2 | [Transmitter name] Temperature – [Sensor name] | °F; °C | -40°F to 185°F -40°C to 85°C | Sensor temperature reading Hidden iftemperature readings are unavailable | R |





Product Submittal

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| DEFAULT CHANGE OF VALUE (COV) INCREMENTS | | | | | | |
|--|-----------------------|-------|-----------------------|-------|--|--|
| VARIABLE | DEFAULT COV INCREMENT | UNITS | DEFAULT COV INCREMENT | UNITS | | |
| - | IMPERIAL | | METRIC | | | |
| Velocity | 10 | fpm | 0.05 | m/s | | |
| Airflow | 100 | CFM | 50 | L/s | | |
| Temperature | 1 | °F | 0.5 | °C | | |