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## Accessory Data Sheet COOK Flow Monitor System

### Product Description

The Cook Flow Monitoring System monitors, displays and communicates fan air-flow using a piezometric ring (P-ring) mounted on the inlet of the fan and the Cook Flow Monitor - an electronic differential pressure monitoring package. The Cook Flow Monitor is pre-programmed with flow coefficients for Cook fans. The monitor displays airflow in either CFM or LPS.

The Cook Flow Monitor is enclosed in a weather-tight housing and is shipped loose for field installation up to 100 feet from the fan.

The Cook Flow Monitor outputs a 0-10V signal which is proportional to the airflow and can be connected to a BMS/BAS to monitor and control fan/system flow.

The Cook Flow Monitor is configured via a simple pushbutton menu. Only Cook fan model and size need to be entered when setting up the device.

### Key Features:

- Flow coefficients programmed into the unit. Enter only fan model and size.
- Offset feature allows adjustment to match field measurements up to 10% +/-.
- Sampling rate adjustment to stabilize reading
- Independently set NO/NC contacts for alarm/signal/notification
- Simple altitude correction. Just enter altitude in feet or meters above sea level.
- External transducer capability up to 50" differential pressure.
- Alternative to enter flow coefficient for non-standard fans.
- Password protection

### Specifications

<b>Pressure Range</b>	CFMS 2.0: 0–2" wg CFMS 5.0: 0–5" wg CFMS 10.0: 0–10" wg
<b>Power Supply</b>	120/208/240/277/480VAC
<b>Power Consumption</b>	3.6VA
<b>Minimum Conductor</b>	18 AWG (8mm <sup>2</sup> ) copper or equivalent
<b>Pressure Port Connection</b>	1/8" (3.175mm) barbed fitting
<b>Output</b>	0–10VDC, 2–10VDC (selectable)
<b>Total Error</b>	Max ± 2.0% of full scale
<b>Burst Pressure</b>	1.5 PSI (10.3 KPa) either port
<b>Response Speed</b>	1–25 (factory setting=2)
<b>Operating Temperature</b>	32°F to 104°F (0°C to 40°C)
<b>Storage Temperature</b>	-40°F to 176°F (-40°C to 80°C)
<b>Weight</b>	9.26 lb (4.2kg)
<b>NEMA Enclosure Rating</b>	4, 4x, 12, 13

All Dimensions in inches [millimeters].



(P-ring sold separately)

