

# XF5

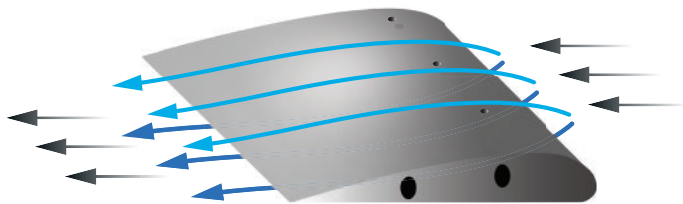


# FAN ARRAY MONITORING SYSTEM

BROCHURE

## PRODUCT OVERVIEW

The CRC Fan Array Monitoring System (XF5) accurately measures and totalizes airflow for up to 12 fans within a single array or across dual supply/return arrays. Featuring a full-color touchscreen interface, it delivers real-time performance insights and enables fast, intuitive commissioning. The XF5 ensures precise, repeatable airflow measurement using CRC's patented Airflow WING Fan Inlet Probes or Fan Piezo Sensors for reliable system monitoring.



## APPLICATIONS

- Fan Array with Inlet Probes
- Fan Array with Piezo
- Outside Air Intake
- Exhaust Air
- Return Air

## KEY FEATURES

### XF5 TRANSMITTER

- **Monitors Up to 12 Fans:** Measures and totalizes airflow for up to 12 fans within a single or dual fan array, with real-time data displayed on an intuitive touchscreen.
- **Auxiliary Monitoring Inputs:** Supports two additional inputs for outside air measurement, duct temperature sensing, or AHU filter status.
- **Advanced Alarm System:** Provides real-time alerts for totalized airflow deviations and individual fan failures.
- **Streamlined Commissioning:** Intuitive touchscreen interface enables fast setup without specialized software or tools.
- **Seamless BACnet® MS/TP Integration:** Enables network access to individual fan data and total system performance for smooth BMS integration.

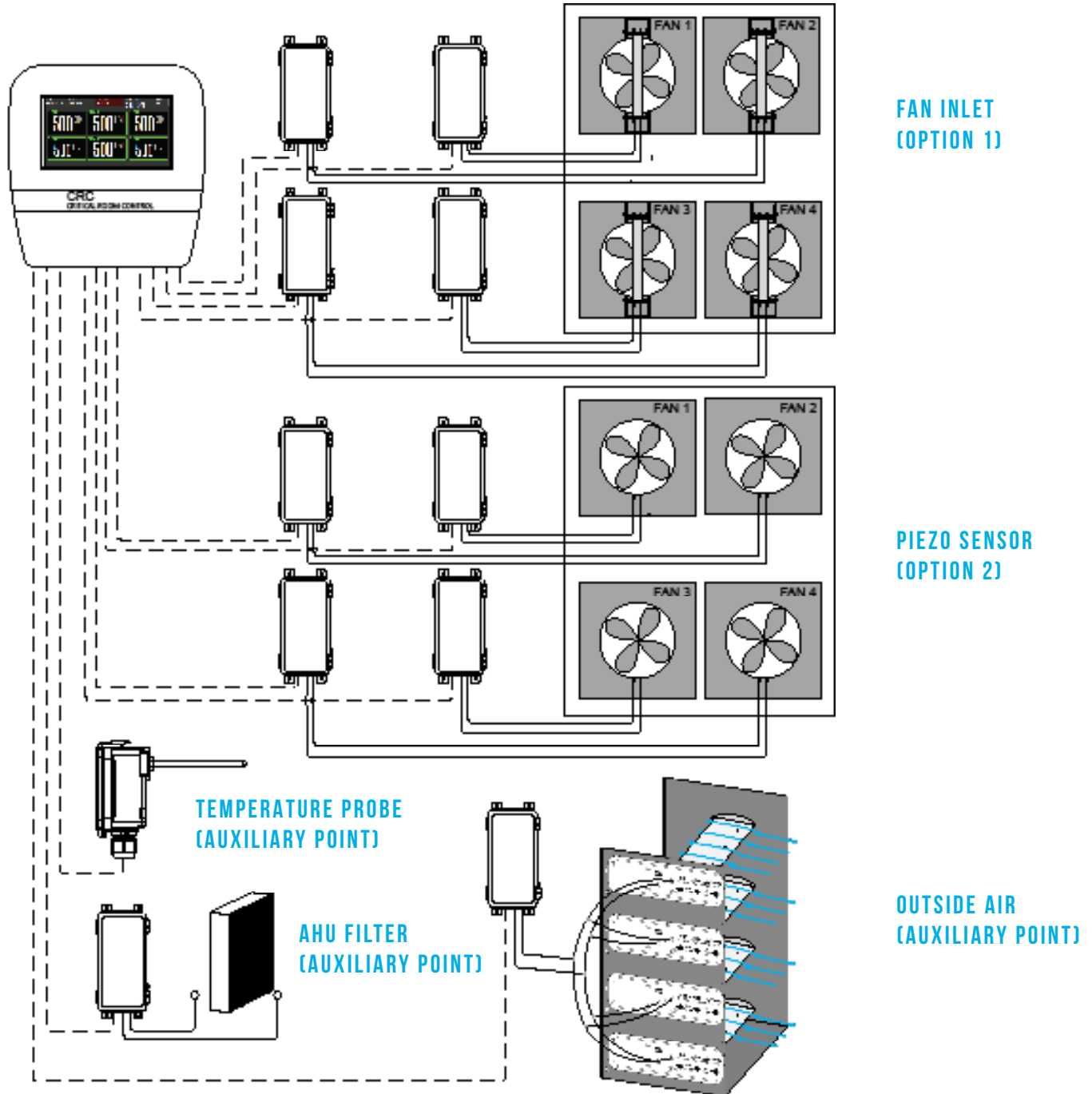
### AFW PATENTED WING FOR FAN ARRAY

- **Patented Airfoil Design:** CRC's patented design generates a precise pressure differential for accurate, natural airflow measurement.
- **High Accuracy & Maintenance-Free:** Silicon-based, dead-ended sensing prevents contamination, ensuring long-term reliability without maintenance.
- **Debris-Resistant:** Indirect sensing, positioned outside the airflow path, prevents clogging common in pitot and thermal systems.
- **Exceptional Stability:** Provides consistent, repeatable measurements across varying airflow conditions.
- **Contaminant-Resistant:** Static pressure sensing, oriented perpendicular to airflow, eliminates lint, dust, and dirt buildup.
- **Wide Operating Range:** Delivers precise airflow feedback across both high-volume and low-flow applications.

## EQUIPMENT LAYOUT OPTIONS

### SYSTEM CONFIGURATION

The XF5 simplifies installation with its modular design, allowing the transmitter to be positioned in a convenient location while remote sensors can be placed at optimal positions relative to the fan array. When using CRC's patented Airflow WING probes, they can be installed either in the field or at the air handling unit manufacturer. The XF5 also supports Piezo Sensors, enabling field connections to manufacturer-supplied Piezo rings. Additionally, the XF5 offers two extra input channels for connecting additional airflow measurement stations, including outside air monitoring, temperature sensing, or filter monitoring.



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