

ADi SPECIFICATION SHEET

Environmental Control Panels

Part Number: **AFD-K023A**
AFD-K023B



Features:

- Actual and set-point readouts for both temperature and humidity.
- Set-point pushbuttons for temperature and humidity control.
- AFD-K023A model wired to internal circuit for set-point adjustment.
- AFD-K023B model is wired to terminals for customer installed controllers.
- Wash down compatible for operating room or laboratory environment.
- Standard actual and set-point ranges:
Temperature readout range is 50° - 90°F
Humidity readout range is 30% -70%
- Designed to connect to an HVAC system.
- Operates on 24 VAC or 24 VDC.
- Standard flush back box provided.
- Optional back box for retrofit projects.

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SPECIFICATION SHEET

Design Data

AFD-K023A Typical Installation with Set-point Circuit.

The actual temperature and humidity meters on the panel are wired to outputs from the HVAC controller or temperature and humidity sensors. Sensors are not included. The temperature and humidity meters accept 2-10 volt inputs. Temperature and humidity meters are available with 4-20 ma inputs, as an option.

Set-point meters are wired to set-point transducers. Temperature and humidity settings are adjusted with the pushbuttons. Set-point adjustments are in 1 degree or 1% increments. Push-button actuation causes the set-point transducer to send a signal to the set-point meter and sends a 4-20 ma output signal to the HVAC system.

AFD-K023B Typical Installation with No Set-point Circuit.

Actual temperature and humidity meters, set-point meters and pushbuttons on the panel are wired to numbered terminals. This panel is designed for connection to customer furnished HVAC controllers. Typically, the panel installer supplies and programs the temperature and humidity sensors and set-point functions.

Specifications:

- Stainless steel frame
8.75" high X 10" wide with die cut gasket
- Standard flush mount back box
8.0" high X 9.25" wide X 3.5" deep
- Optional retrofit style flush mount back box
8.0" high X 8.5" wide X 3.5" deep
- Power requirement:
24 VAC @ 1 amp or 24 VDC @ 1 amp
- Actual temperature and humidity signal input
2-10 volt standard, 4-20 ma (optional)
- Set-point output signal to HVAC system, 4-20 ma
- Display ranges:
temperature 50.0 to 90.0 degrees
humidity 30.0 to 70.0 %