Hawki™

AHU CONTROLLER

Distributed Direct Digital Control Module

Hawki keeps a digital eye on air handling systems. Maximizes comfort cooling, humidification, scheduling, morning warm-up cycle, emergency ventilation and low limit protection.

The Beauty of it is it's simple

Talks in plain language, with menu-driven programming. Operates as a network device or in a fail-safe, stand-alone mode. So it stays up even if other controllers go down. And, because of its reliability, we offer the best warranty in the business.

Bottom Line: With Novar You Know It Works

LOGIC ONE

NOVAR® CONTROLS

With Novar, you know.

Lingo
Savvy

IOM/2

ETC

ETM

HPC+

UVC

VAV

Specifications

Hawki™ AHU CONTROLLER

Control of air handling systems of various configurations such as variable air volume and fan tracking systems. Hawki incorporates comfort cooling, comfort heating, static and volume control, scheduling, humidification, dehumidification, economizer control, and a variety of morning start-up routines.

Physical Characteristics

Height:	9.5 inches.
Width:	13.22 inches.
Depth:	2.44 inches.
Weight:	4.15 lbs. (All-aluminum enclosure).
Mounting:	Four base-slotted mounting holes allow fastening to a wall or cabinet. With knockouts for 1/2-inch and 3/4-inch conduit fittings and a gasket-lined wiring slot.

Operating Environment

Temperature:	-40˚ to 140˚ F (-40˚ to 60˚ C).
Humidity:	0 to 95% relative, noncondensing.

Electrical

Voltage:	24VAC (Class 2).
Consumption:	15VA.
Analog Inputs:	4 to 20mA.
Digital Inputs:	Contact closure only.
Analog Outputs:	0 to 10VDC, 1mA.
Digital Outputs:	24VAC, 2 ampere (pilot duty).

Special Circuits/Diagnostics

Over Current:	Protects against overloading of current loop power supply.
Surge Suppression:	All inputs/outputs protected against lightning-induced surge or voltage transients.
Low Limit Protection:	Outputs programmable to respond to low temperature.

Network Communications

Method:	RS-485, isolated.
Cable (network):	2-wire, shielded cable. Belden 8761 or equivalent.

Input/Output Points

Analog Inputs: **Total - 11**
- Supply duct static pressure.
- Building or mixed air plenum static pressure.
- Supply velocity pressure.
- Return velocity pressure.
- Supply air relative humidity.
- Return air relative humidity.
- CO_2.
- Outside air temperature.
- Supply air temperature.
- Return air temperature.
- Mixed air temperature.

Digital Inputs: **Total - 8**
- Supply fan status.
- Return fan status.
- Filter status.
- Smoke detector.
- Timed override.
- Low temperature limit status.
- Auxiliary confirmed status.
- Auxiliary input.

Calculated Inputs: **Total -3**
- Supply CFM.
- Return CFM.
- Dewpoint.

Analog Outputs: **Total - 6**
- Supply fan speed signal.
- Return fan speed signal.
- Chilled water valve signal.
- Hot water valve signal.
- Humidifier signal.
- Mixing dampers (economizer) signal.

Digital Outputs: **Total - 6**
- Supply fan start/stop.
- Return fan start/stop.
- Cooling.
- Heating.
- Outside air damper (minimum).
- Auxiliary output.

Specifications subject to change without prior notification.

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NOVAR® CONTROLS

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GENUINE NOVAR Quality With Novar, you know!