

UVC

Reliable
Multi-Function
Unit Ventilator
Controllers



UVC modules provide accurate automatic control of the heating, cooling, fan and damper functions of unit ventilators. The modules are unit-mounted and provide fully distributed digital control.

LOGIC ONE® – technology you can rely on

Novar's LOGIC ONE Advanced Building Control System delivers better reliability, greater versatility and more standard features than any other building control system on the market. LOGIC ONE technology is designed to maximize the operational efficiency of any HVAC or lighting system. The result: lower energy costs, increased comfort, and reduced equipment maintenance.

*Bottom Line: With Novar
You Know It's Solid*

NOVAR[®]
CONTROLS

With Novar, you know.

LOGIC ONE



Specifications



UVCs are controlled via direct communication with Lingo™, Savvy™ or Novar's Executive Controller or Processor. Functions such as on/off, comfort setpoint and time-of-day control are all user-definable. The UVC's fresh-air intake management system ensures compliance with all ASHRAE Cycle II specifications.

IOM/2

Hawki

ETC

ETM

HPC+

UVC

VAV

Physical Characteristics

- Height:** 5.5 inches.
- Width:** 8 inches.
- Depth:** 1.875 inches.
- Weight:** 1.75 lbs.
- Mounting:** Four base-mounting holes allow fastening to compartment wall with metal screws. **Not recommended for outdoor use.**

Operating Environment

- Temperature:** 32° to 100° F (0° to 38° C).
- Humidity:** 0 to 95% relative, noncondensing.

Electrical

- Voltage:** 24VAC (Class 2).
- Consumption:** 8VA.
- Analog Inputs:** Dedicated.
- Digital Inputs:** Contact closure only.
- Analog Outputs:** 0 to 10VDC, 1mA.
- Digital Outputs:** 24VAC, 1 ampere (pilot duty).
- Status Indication:** Schedule-status indicator LED and relay-status LEDs.

Special Circuits/Diagnostics

- Low Voltage Detect:** Senses proper operating voltage.
- Temperature Sensor Monitor:** Verifies operation of temperature sensors.
- Watch Dog:** Monitors and ensures UVC timing and operation.
- Fail Safe:** Programmed setpoints held in nonvolatile PROM.
- Surge Suppression:** All inputs/outputs protected against lightning-induced surge or voltage transients.
- Low Limit Protection:** Outputs programmable to respond to low temperatures.

Network Communications

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

Specifications subject to change without prior notification.

Listed Device, U.S., UL File #E90949(N)
Listed Device, Certified for Canada, UL File #E90949(N)

Options

Six Models Available: UVC-1, UVC-3, UVC-5, UVC-10, UVC-11, and UVC-13.

Zone Temperature Sensors:

RTS-UVC – Remote Temperature Sensor.
WTS-UVC – Standard wall-mount, nonadjustable.
FTS-3 – Futura wall-mount, nonadjustable.
FTS-3A – Futura wall-mount, with integral setpoint adjustment dial.

Sensor Cable: 100-ft. maximum.

ASHRAE Compliance

Cycle II ventilation control on units with analog damper outputs.

Input/Output Points

- Inputs:** **Total - 6.**
Zone temperature.
Supply air temperature.
Zone setpoint adjustment.
Timed override.
Airflow.
Dirty filter indication.
- Outputs - UVC-1:** **Total - 5.**
Heat (analog).
Cool (digital).
Damper (analog).
Fan (digital).
Relief damper (digital).
- Outputs - UVC-3:** **Total - 5.**
Heat (analog).
Cool (analog).
Damper (analog).
Fan (digital).
Relief damper (digital).
- Outputs - UVC-5:** **Total - 3.**
Heat (digital).
Cool (digital).
Fan (digital).
- Outputs - UVC-10:** **Total - 3.**
Heat/Cool (analog with automatic changeover).
Damper (digital).
Fan (digital).
- Outputs - UVC-11:** **Total - 3.**
Heat/Cool (analog with automatic changeover).
Damper (analog).
Fan (digital).
- Outputs - UVC-13:** **Total - 4.**
Heat (digital).
Cool (analog).
Damper (analog).
Fan (digital).

