



CUV-1000

MODEL "CUV-1000" CONTROL CABINET FOR VENTILATORS

ITEM NO. _____

GENERAL SPECIFICATIONS

DESCRIPTION: Control cabinet Model CUV-1000-_____ shall be furnished to house electrical components for operation of the ventilator(s) and UV system. The cabinet shall be constructed of 18 gauge stainless steel, type 300 series, number 4 finish, with welded corners and a hinged door. Cabinet shall be watertight to protect against direct hose spray. The electrical controls shall include a programmable logic controller (PLC) for controlling all functions of the exhaust and supply fans, UV lamps, "Autostart" and electric dampers (if applicable). The control shall include a programmable digital interface module (Command Center) that includes "Start Fan" and "Stop Fan" buttons and a digital display that shows current operating mode. The control shall continuously monitor the UV lamps, access doors and exhaust volume with visual and audible indicators. It shall also include volt-free contacts for supply and exhaust fans for interfacing with building management system or other control circuits, and volt-free contacts for the fire cycle for interconnection to the building fire alarm or monitoring systems. The control shall include contacts to remotely Start and Stop the exhaust and supply fan(s) when interfacing with a building management system. It shall monitor "Autostart" sensors, mounted in the ventilator(s), if equipped, and automatically start the exhaust and supply fan(s) if cooking occurs when the fans are off. All components shall be pre-wired for field hook-up by applicable trades. Control cabinet shall be listed.

OPTIONAL EQUIPMENT:

Light Switch

The control cabinet shall include a built-in light switch for interconnection to the ventilator lighting circuit.

Trim Ring

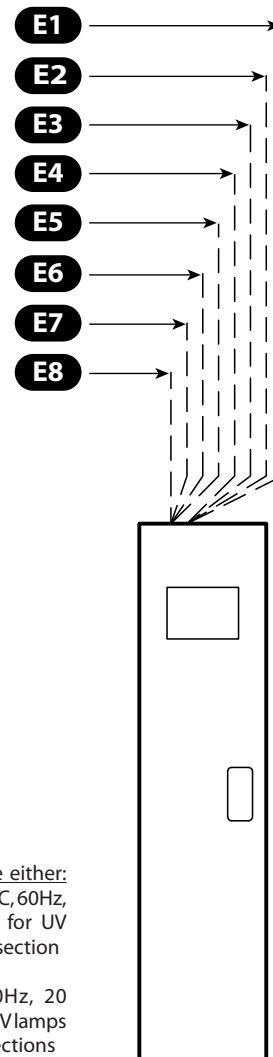
The control cabinet shall include a full perimeter one piece adjustable trim ring.

Security Access

Control cabinet door shall be equipped with keyed latch to prevent unauthorized access to the controls.

ELECTRICAL LEGEND

- E1 120VAC 50/60Hz Non-Interrupted Service or
- 220VAC 50/60Hz Non-Interrupted Service
- E2 Two Wires to Magnetic Starter(s) For Exhaust and Supply Fans
- E3 Two Wires to Fire Suppression System
- E4 Five wires and ground, for UV System to Ventilator(s)
- E5 Two wires and ground, for "Autostart" to Ventilator(s)
- E6 Four wires and ground, for Electric Dampers to Ventilator(s) (If Specified)
- E7 Optional - Two Wires and ground, from Light Switch to Supply voltage service.
- E8 Optional - Two Wires and ground, from Light Switch to Lights in Ventilator.
- E9 Optional - Two Wires From Volt Free Contacts To Building Management System (BMS) to Control Exhaust Fan(s) (If Specified, E2 Not Used.)
- E10 Optional - Two Wires From Volt Free Contacts To BMS to Control Supply Fan(s) (If Specified, E2 Not Used.)
- E11 Optional - Two Wires to BMS To Monitor Fire Cycle If Specified.



UV Ventilators require either:

- Separate 120VAC, 60Hz, 20 Amp circuit for UV lamps for each section

OR

- 220VAC, 50/60Hz, 20 Amp circuit for UV lamps for every two sections

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