



neptronic CMU-06 Compact Make up Air Unit Instruction Manual

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neptronic®

neptronic CMU-06 Compact Make up Air Unit



Product Information

The Neptronic Compact Make-up Air Unit (CMU) is a ventilation system designed to pull in fresh, tempered air from outside a building and replace existing air to provide continuous ventilation throughout the building. It is equipped with intelligent control strategies and the patented Neptronic EAS (Electronic Air Flow Sensors) to maximize efficiency and optimize indoor air quality.

The CMU series features include

- Comfort with Neptronic TDF digital room sensors
- Display supply temperature
- Configure CFM and temperature setpoints
- Monitor alarms
- Indoor air quality applications with integrated temperature, humidity, CO₂, and occupancy sensor
- Dehumidification logic
- Interlock with extraction fans
- Outside air sensors prime heater coils for fast response and comfort
- Static pressure PID algorithms for control of fresh air

The CMU is also compatible with optional BACnet MS/TP and Modbus RTU communication modules, making it ideal for integration with the automation system of intelligent buildings to enhance user comfort and reliability.

Product Usage Instructions

Network Communication: The CMU supports Modbus for network communication and consumption data monitoring.

Technical Data

- Maximum outlet air temperature: Not specified
- Maximum operating outlet temperature: Not specified

- Inlet bushing: Not specified
- Control signal: Not specified
- Fan: The CMU is available with AC Axial Fan, ECM Axial Fan, or ECM Centrifugal Fan options
- Air flow direction: Not specified
- Voltage, Current, Power, and Minimum air flow: The CMU is available in different voltage codes ranging from 120VAC/1ph to 600VAC/3ph. Heating capacity options range from 1kW to 20kW.

Certification

The CMU complies with standards UL 60335-1 & UL 60335-2-40, CSA C22.2 No. 60335-1 & CSA C22.2 No. 60335-2-40.

Models

The CMU is available in different models with varying collar sizes, voltage codes, heating capacities, fan types, and power switch options. The model codes are as follows

Model	Collar Size	Voltage Code	Heating Capacity	Fan Type	Power Switch
CMU	06	A (120VAC/1ph)	010 (1kW)	A (AC Axial Fan)	D (Disconnect Switch = None)

Warnings

- **Caution**, Risk of malfunction: Any alteration to the electrical compartment should ensure proper protection of all electrical components installed to avoid short circuits or affecting the operation of electrical components.
- **Caution**, Risk of damage and malfunction: Insufficient air flow may lead to the opening of mechanical air flow switches or electronic air flow sensors, causing automatic thermal cutout and potential damage to heating elements and controls.
- **Caution**, Risk of malfunction: Unauthorized modification or alteration to internal electric connections or components will void the warranty.
- **Important**: This appliance is not intended for use by individuals with reduced physical, sensory, or mental capabilities, unless they have received supervision or instruction regarding its use from a person responsible for their safety. Children should be supervised to prevent them from playing with the appliance.


Description

- The Neptronic Compact Make-up Air Unit (CMU) is designed to pull in fresh, tempered air from outside a building in order to replace existing air and continuously provide comfortable ventilation throughout the building.
- Equipped with intelligent control strategies and the patented Neptronic EAS (Electronic Air Flow Sensors), the CMU maximizes efficiency and optimizes indoor air quality.
- The advanced control strategies and optional BACnet MS/TP and Modbus RTU communication modules make it the ideal product for integration with the automation system of intelligent buildings, by enhancing user comfort and reliability.

Features

- Air flow range of 50 to 750CFM (85 to 1274m³/h)
- Sizes from 6" to 12" (152 to 305mm)
- Wide power range (1kW to 20kW)
- Voltage from 120V/1ph to 600V/3ph
- ΔT between 22°F (11°C) and 86°F (45°C)
- Multiple I/O support for advanced control strategies
- Patented Neptronic EAS (Electronic Air Flow Sensors)
- Ease of operation and maintenance, and enhanced comfort with Neptronic TDF digital room sensors
- Display supply temperature
- Configure CFM and temperature setpoints
- Monitor alarms
- ECM and AC fan strategies
- Intelligent control strategies
- Indoor air quality applications with integrated temperature, humidity, CO₂ and occupancy sensor
- Dehumidification logic
- Interlock with extraction fans
- Outside air sensors prime heater coils for fast response and comfort
- Static pressure PID algorithms, control of fresh air and return air
- Integrate with BMS and intelligent buildings via BACnet MS/TP or Modbus RTU
- Safety interlocks and thermal cutouts
- Schedule support

Specifications

Technical data	CMU Series	
Maximum outlet air temperature	200°F (93°C)	
Maximum operating outlet temperature	95°F (35°C)	
Inlet bushing	2 knockouts of 1 3/8" (35mm) or 1 1/4" (44.5mm)	
Control signal	Modulating or Vernier control (select models)	
Fan	AC or ECM fan	
Air flow direction	Horizontal with reversible installation	
Voltage, Current, Power, and Minimum air flow	See name plate	
Certification		Complies to standards UL 60335-1 & UL 60335-2-40, CSA C22.2 No. 60335-1 & CSA C22.2 No. 60335-2-40

Compact Make-up Air Unit

Specification and Installation Instructions



CMU Series

Network Communication

- BACnet MS/TP or Modbus communication (selectable via DIP switch)
- Select MAC address via DIP switch or via network
- BMS integration via BACnet MS/TP or Modbus
- Multiple BACnet/Modbus points to propel you towards the Internet of Things (IoT)
- Remote monitoring (status, alarms, diagnostics, and trending)
- Real-time feedback of output capacity
- Provides real-time temperature measures and power consumption data

BACnet MS/TP®

- MS/TP @ 9600, 19200, 38400, 57600 or 76800 bps
- Automatically assigns device instance
- Automatic Baud Rate Detection

Modbus

- Modbus @ 9600, 19200, 38400, 57600 or 76800 bps
- RTU Slave, 8 bits (configurable parity and stop bits)
- Connects to any Modbus master

Models

Model	Collar Size		Voltage Code	Heating Capacity	Fan Type	Power Switch
CMU	06		A	010	A	D
CMU = Compact Make-Up Air Unit	06 = 6"		A = 120VAC/1ph	010 = 1kW	A = AC Axial Fan	D = Disconnect Switch
	08 = 8"		B = 208VAC/1ph	015 = 1.5 kW	C = ECM Axial Fan	= None
	10 = 10"		C = 220, 240VAC/1ph	020 = 2kW	D = ECM Centrifugal Fan	
	12 = 12"		D = 347VAC/1ph	030 = 3kW		
			E = 480VAC/1ph	040 = 4kW		
			F = 600VAC/1ph	045 = 4.5 kW		
			G = 208VAC/3ph	050 = 5kW		
			H = 400VAC/3ph*	060 = 6kW		
			I = 480VAC/3ph	070 = 7kW		
			J = 600VAC/3ph	080 = 8kW		
<ul style="list-style-type: none"> = This option does not have ETL Certification 				090 = 9kW		
				100 = 10 kW		
				120 = 12 kW		
				140 = 14 kW		
				160 = 16 kW		
				180 = 18 kW		
				200 = 20 kW		

Warnings

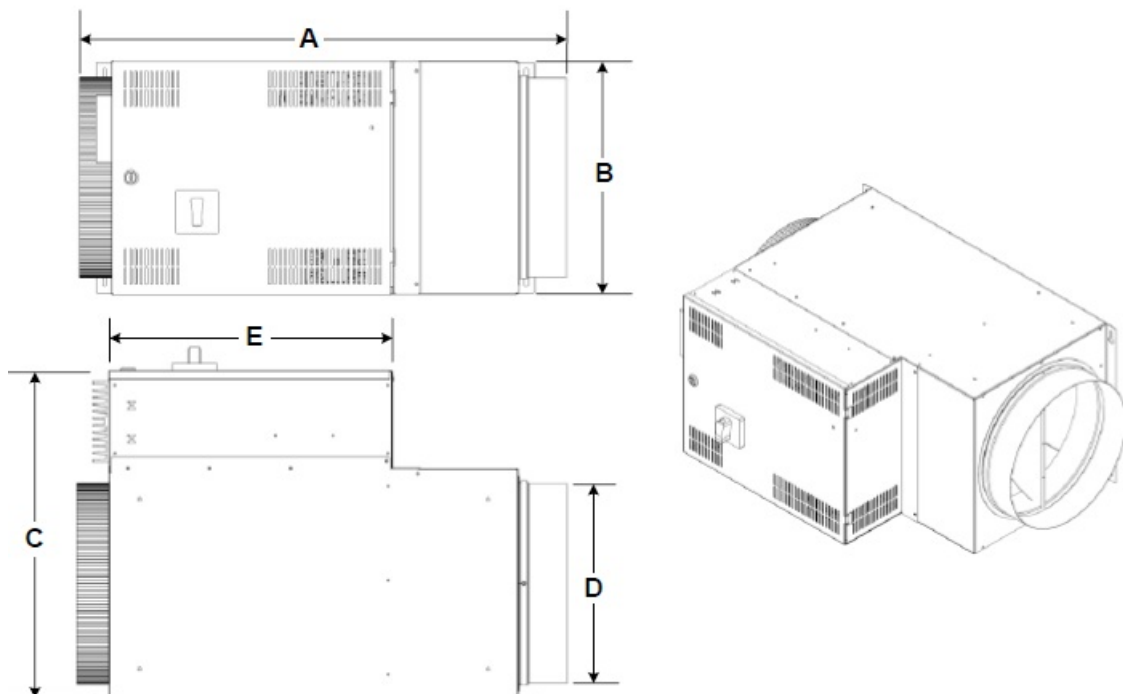
	<p>Caution, Risk of malfunction, In case of alteration (drilling holes or other) to the electrical compartment, ensure proper protection of all electrical components installed. Chips may cause short circuit or affect operation of electrical components.</p>
	<p>Caution, Risk of damage and malfunction, Ensure minimum air flow, insufficient air flow will lead to opening of mechanical air flow switch (PDN or PDA) or electronic air flow sensors (EAS) and automatic thermal cutout. This may damage heating elements and controls.</p>
	<p>Caution, Risk of malfunction, Do not proceed with modification or alteration to internal electric connections or components of the make-up air unit. Any non-authorized modification will void the warranty.</p>
	<p>Important, This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the appliance.</p>

Handling

Warning, Risk of failure or malfunction. Do not operate the CMU if heating elements have been damaged during transport or handling.

- Protective packaging must be kept until installation.
- Product must be handled with care.

Dimensions



Models with Axial Fan

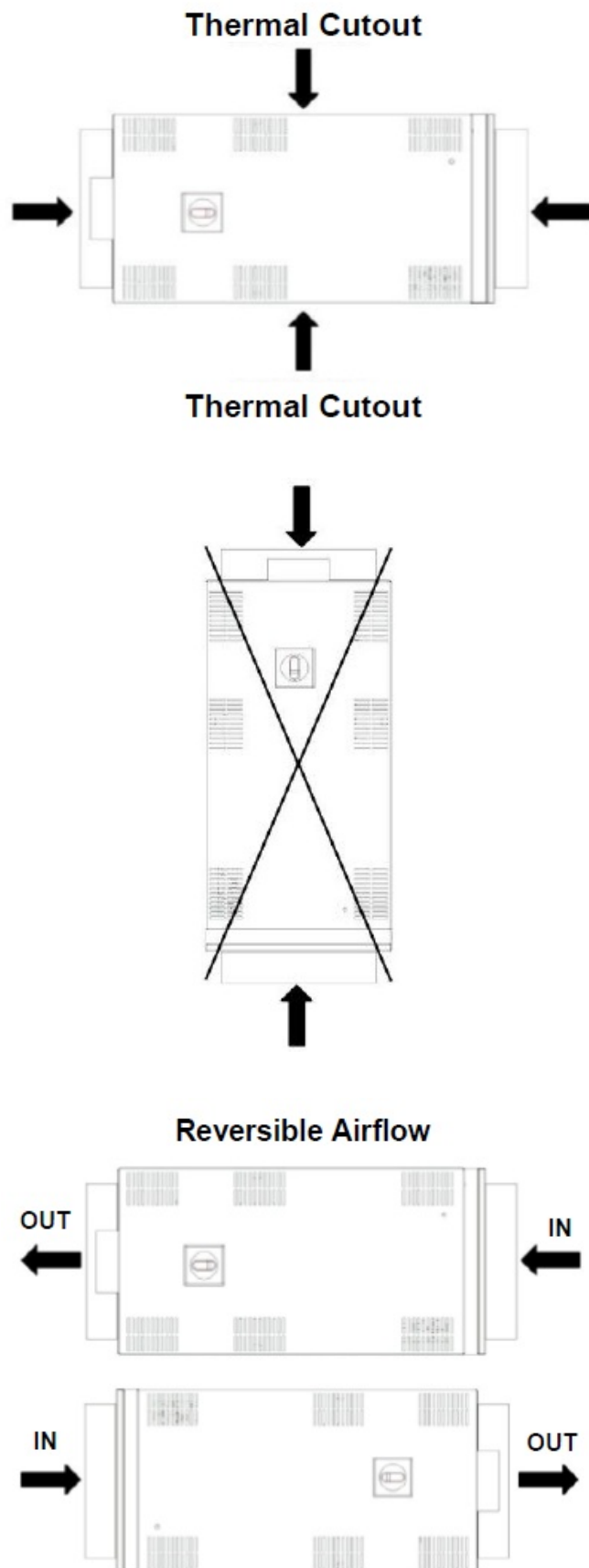
Models	Dimensions (inch) [mm]			Collar Size (inch) [mm]	Door Length (inch) [mm]	Maximum Air Flow (CFM)	Maximum Power (kW)
	A	B	C	D	E	[m ³ /h]	
CMU06 (Small)	23 [584]	7.6 [193]	13.3 [338]	6 [152]	14.7 [373]	150 [255]	3
CMU06 (Large)	28.9 [734]				20.7 [526]		
CMU08 (Small)	24 [610]	9.6 [244]	15.3 [389]	8 [203]	14.7 [373]	200 [340]	8
CMU08 (Large)	30 [762]				20.7 [526]		
CMU10	27.7 [704]	11.6 [295]	17.3 [439]	10 [254]	16.7 [424]	400 [680]	12
CMU12	28.8 [732]	13.8 [351]	19.3 [490]	12 [305]	16.7 [424]	750 [1274]	20

Models with Centrifugal Fan

Models	Dimensions (inch) [mm]			Collar Size (inch) [mm]	Door Length (inch) [mm]	Maximum Air Flow (CFM)	Maximum Power (kW)
	A	B	C	D	E	[m ³ /h]	
CMU06	34.2 [869]	9.9 [252]	15.3 [389]	6 [152]	25.9 [658]	250 [425]	3
CMU08	31.5 [800]	11.9 [302]	17.3 [439]	8 [203]	22.2 [564]	350 [595]	8
CMU10	37.9 [963]	13.9 [353]	19.3 [490]	10 [254]	26.8 [681]	520 [883]	12
CMU12	41 [1041]	15.9 [404]	21.3 [541]	12 [305]	28.9 [734]	750 [1274]	20

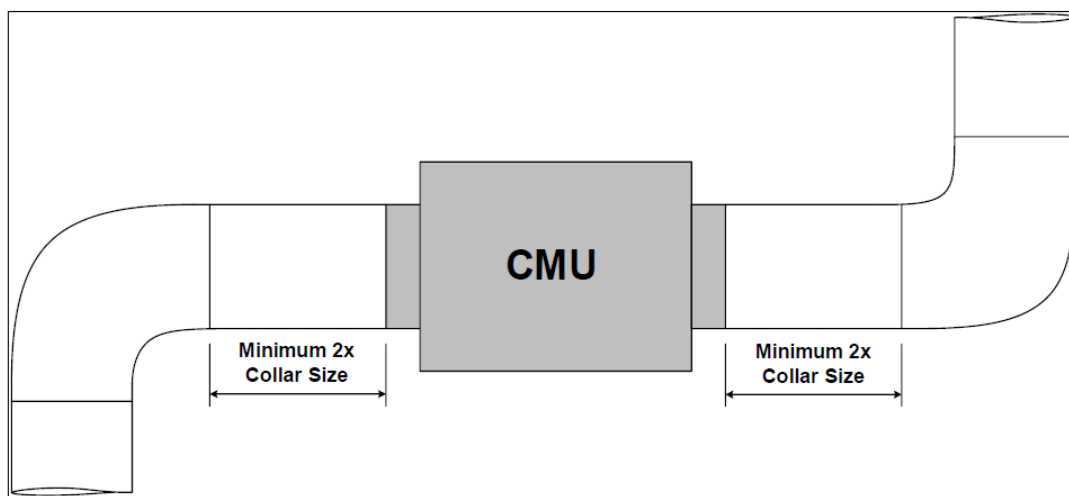
Mechanical Installation

- **Caution, Risk of electric shock and burns.** Personnel must use appropriate personal protective equipment to protect themselves from risk of electric shock and burns due to contact with heating elements and bare live parts. Always proceed with caution when handling and servicing the CMU by following the appropriate lock-out procedures to ensure safety.
- **Caution, Risk of damage and malfunction.** Do not block air flow to heating elements and ventilation slots, as insufficient air flow may damage heating elements and controls.



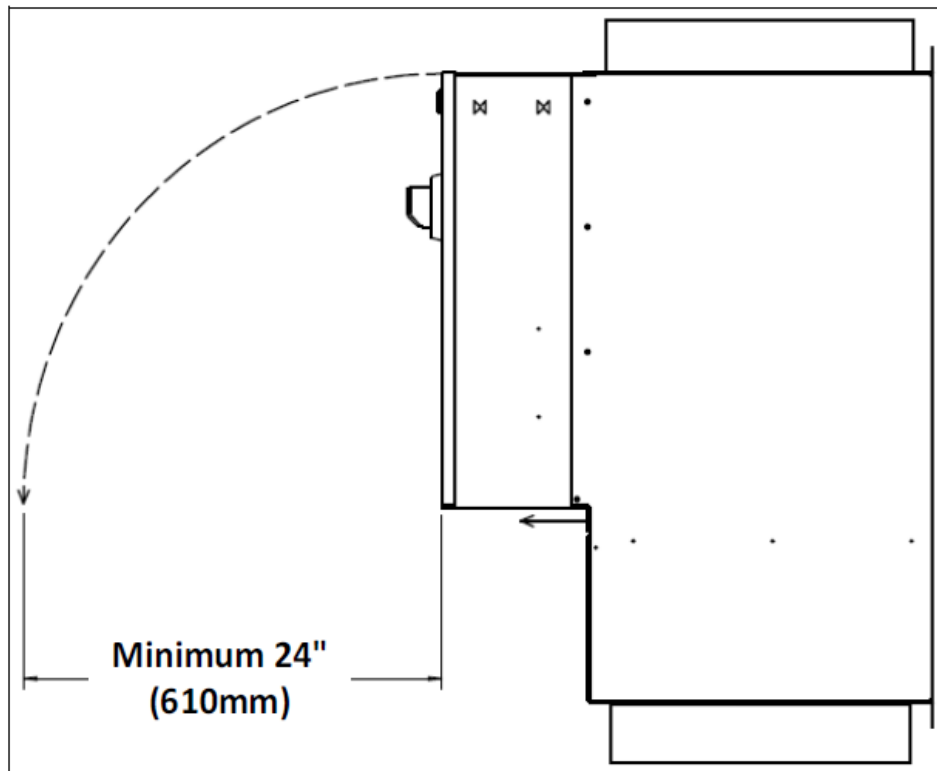
- The compact make-up air unit is designed to be installed for horizontal air flow only. Vertical installation is not recommended.
- The CMU is equipped with thermal cutouts both on top and bottom of the unit, which allow it to simply be rotated 180° to change the air flow direction without modifying the fan or wiring. The air flow direction from the fan itself is fixed and cannot be reversed. Before mounting the make-up air, determine the direction of air flow required and rotate the unit accordingly.

- The CMU is designed to preheat fresh air and not ambient air.
- For proper air flow, a minimum straight duct distance of 2x the collar size/duct diameter must be maintained upstream and downstream the CMU, between the unit and any obstacle, such as dampers, louvers and elbows.
- Use round insulated ducts for the inlet connection and uninsulated ducts for the outlet, while ensuring to minimize the use of elbows.
- When taking air directly from outside, install the inlet duct at an incline, in order to prevent condensation or melted snow from flowing into the unit.
- It is recommended to have a secondary damper before the inlet of the make-up air unit, in order to prevent a strong draft of wind from opening the damper in the unit. The secondary damper can be a gravity damper or a damper with an actuator.
- A louver with a bird protection grille must be installed on the air inlet.



Clearance

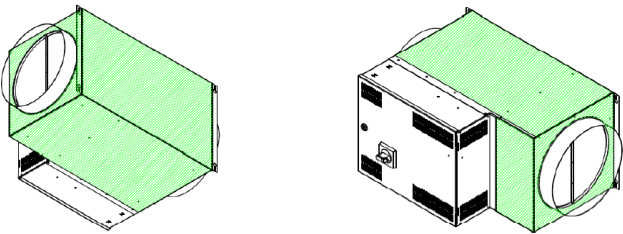
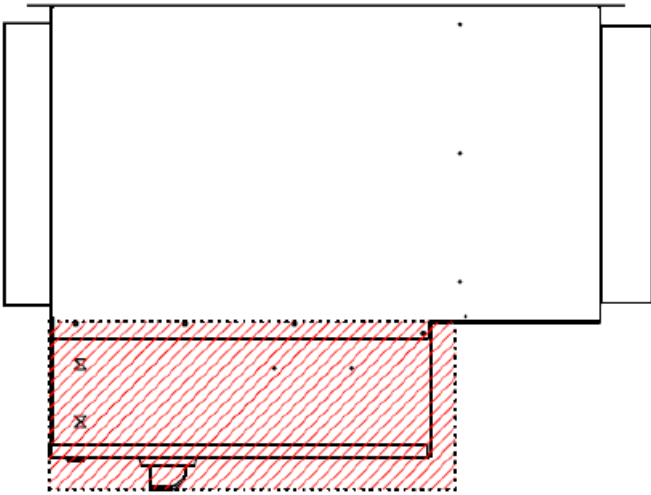
- Leave a minimum clearance of 24" (610mm) or equivalent to the length of the front access panel/door (see dimension E on page 3) + 1.5" (38mm) at the front of the unit, in order to provide sufficient space for accessing the electrical compartment and air filter, to ensure proper servicing.
- Other surfaces require zero clearance.



Insulation

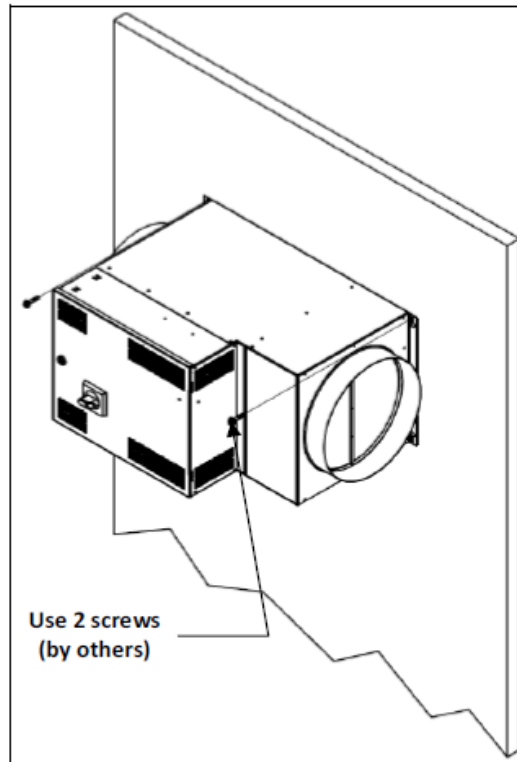
- Insulation may be added around the main surfaces of the CMU for energy conservation and noise reduction. The collars and ductwork preceding and following the CMU may be insulated.
- Insulation must be rated for temperatures of minimum 250°F (121°C) and must not have an R-value greater than 8 (typical R- value for 2" [51mm] thick fiberglass insulation).

Warning: Do not apply insulation on the control box, front access panel, heat sinks and filter of the CMU.

Surfaces that can be insulated	
	
Surfaces that cannot be insulated	
	

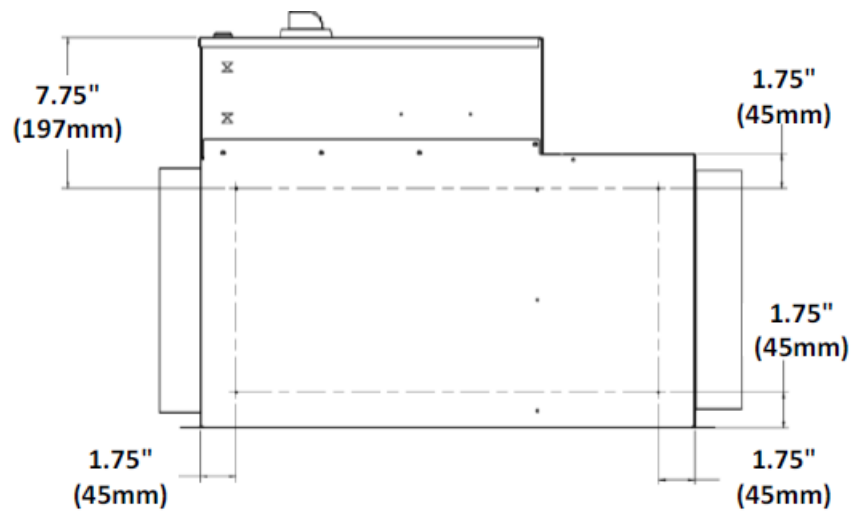
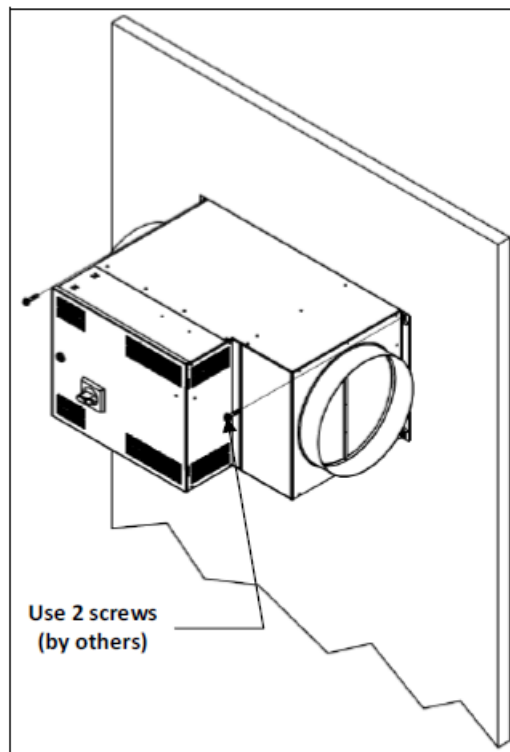
Wall Mounting

- Prior to installation, ensure that the strength of the chosen wall and supports conform to the requirements of local codes and regulations. The use of metal strut channels is recommended when wall mounting the unit (by others).
- Mount the unit at a minimum height of 6.5ft (2m) above the floor level.
- Mount the CMU using at least 2 screws of minimum #10 (M5) size (by others) using the keyholes located in the back of the unit and ensure that the installation is secure.

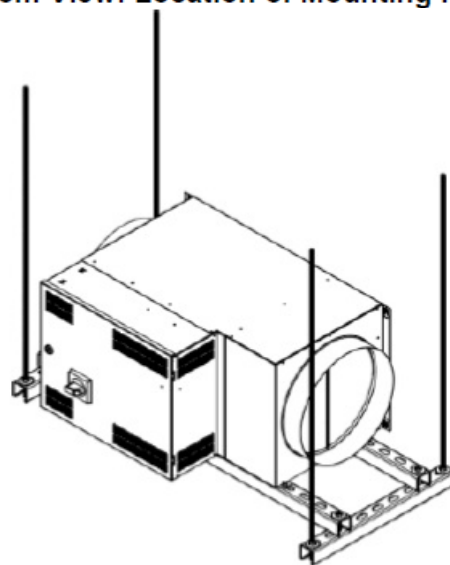


Ceiling Installation

- The CMU can be hung by the ceiling using an appropriate support platform (by others). Consult local codes and regulations for minimum structural requirements for such platforms.
- The CMU must be attached to the platform by use of 4 self-drilling screws of #10 (M5) size fixed at the designated locations indicated by the dimples on the bottom of the unit, as per the image below.
- The screws must not be inserted into the CMU at a depth of more than $\frac{3}{4}$ " (20mm).
- Ensure not to install the bottom of the unit's front access panel directly onto the platform, as this will prevent it from opening.



Bottom View: Location of Mounting Holes





Electrical Installation

- **DANGER:** Risk of electric shock. Disconnect all electrical supplies before working on any circuit.
- **CAUTION:** Risk of malfunction. Use only copper wires suitable for 221°F (105°C).
- **CAUTION:** Electric installation must be done by qualified electrician and must conform to local electrical code.
- **CAUTION:** If a disconnect switch has not been supplied with control panel of the unit, an external disconnect switch must be installed on the supply.
- **CAUTION:** Gauge of electric supply wires must be of appropriate section, function of line current, as per local electrical code.

Power Supply Wiring



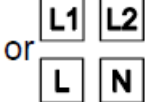










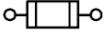

See the name plate for information for voltage and current.

- Connect all wires to appropriate terminals as per the electrical diagram affixed inside the control panel door.
- Correct connection and proper tightening must be verified before start-up, and after a short period of operation (typically after 2 weeks).

To quickly calculate the amperage, use the following formulas

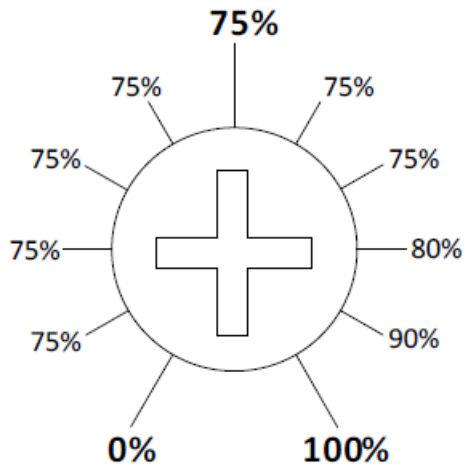
- Single phase: Amperage = Watts / Voltage.
 - ex.: 10 kW at 240V/1 is equal to: $10,000 / 240 = 41.7A$
- Three phases: Amperage = Watts / (1.732 x Voltage).
 - ex.: 20 kW at 600V/3 is equal to: $20,000 / (1.732 \times 600) = 19.2A$

Electrical Diagram Legend

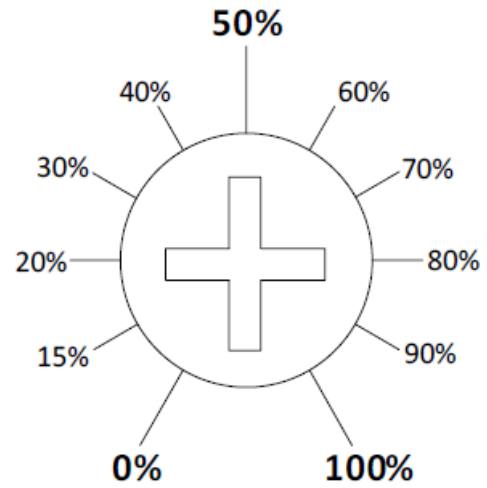
 Thermal cut-out automatic reset				Normally open contact		 Single phase power supply terminals
 Thermal cut-out Manual reset				Disconnect switch		 3 phases power supply terminals
 Contactor coil				Heating element		 Ground terminal
 Back-up safety contactor coil				Transformer		 Common
 Normally closed contact				Fuse		 Light

Main PCB Overview

Potentiometer P1 = Fan Speed Control

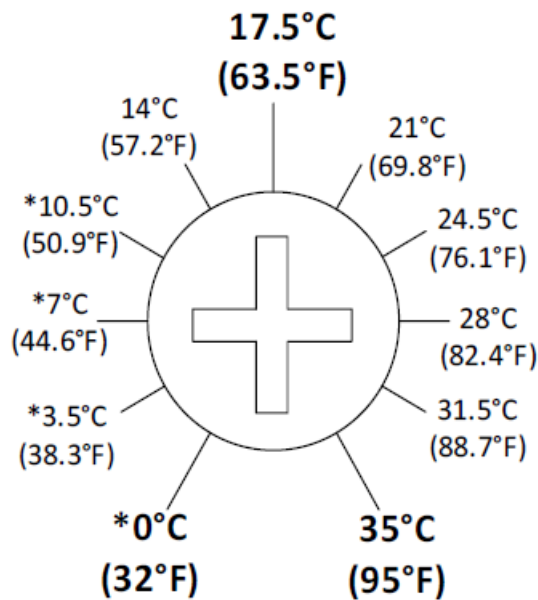


AC Fan Speed Settings



ECM Fan Speed Settings

Potentiometer P2 = Temperature Setpoint



- A minimum temperature of 12°C (53.6°F) will be maintained, even if the setpoint on the potentiometer is set to a lower value.

Operational Conditions

Air Flow

- Air flow must not be lower than the minimum air flow indicated on name plate.
- Air flow going through the unit must be free of combustible particles, flammable vapour or gas.
- **Open Coil:** Air flow going through the unit must be free of dust.

Temperature Control

- For optimal and accurate measurement, it is recommended to use a duct sensor, especially in worst case

scenarios in which the CMU is operating at its lowest speed with a high static pressure, for example, at a 75% speed with a static pressure of 0.2" WC (50 Pa) for AC axial fans.

Zero Clearance Construction

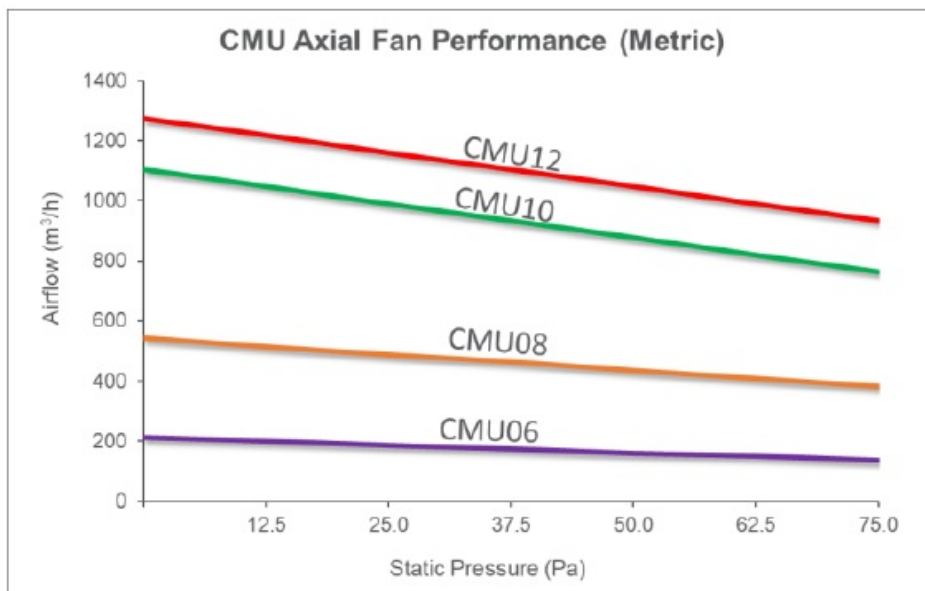
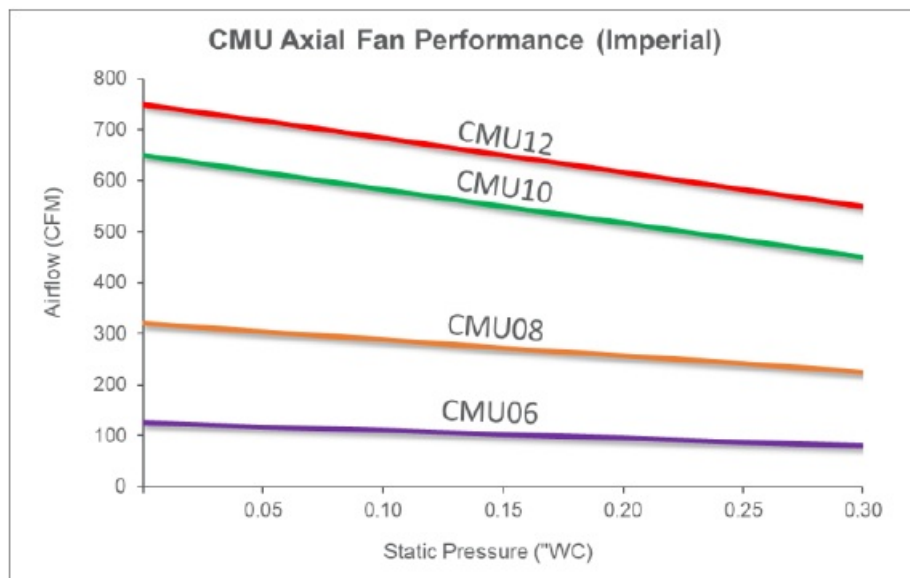
- Neptronic compact make-up air units are designed and approved for zero clearance to combustible material. Insulation material may be installed directly onto the CMU surfaces or onto air duct. However, the control panel must be accessible for maintenance.



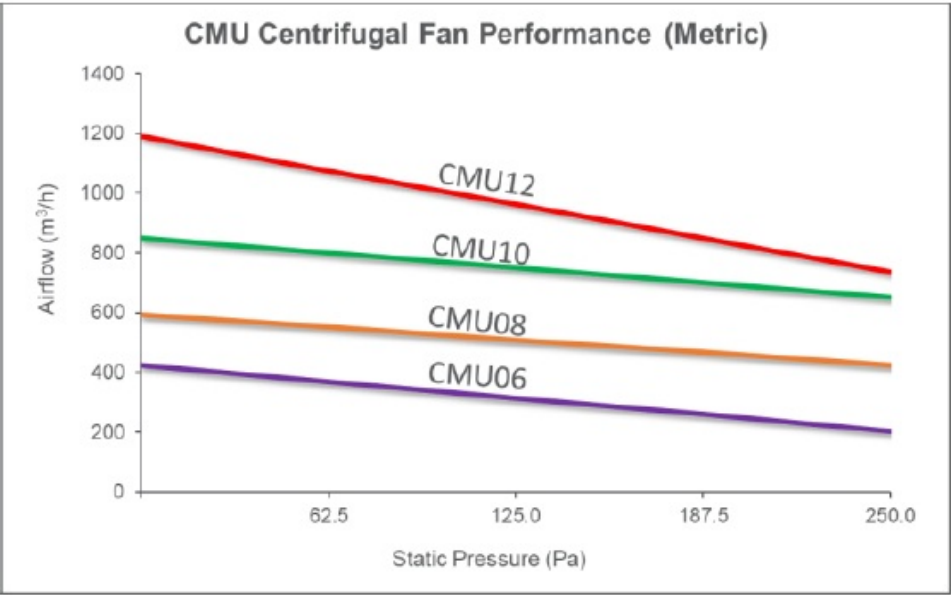
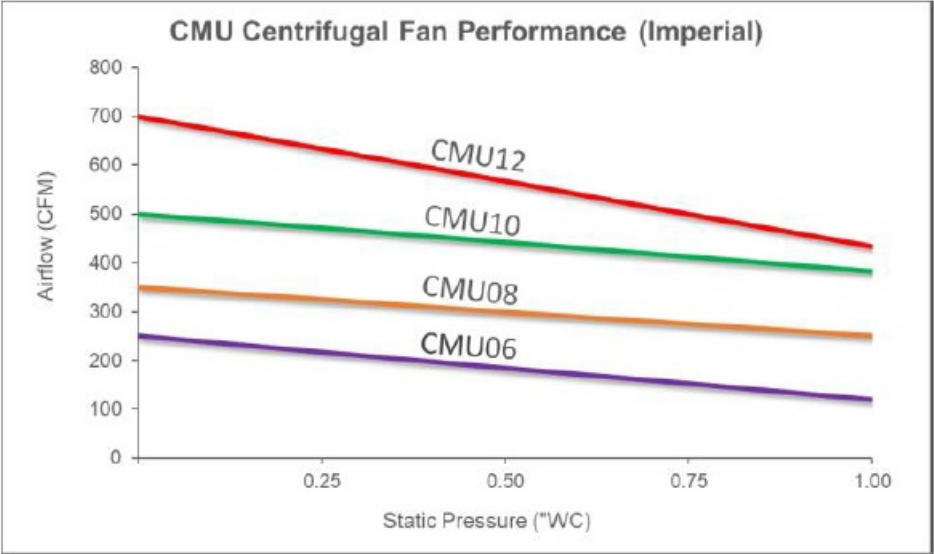
Warning: Risk of fire and/or malfunction, Do not install insulation directly on heating elements.

Fan Performance

Axial Fan Performance



Centrifugal Fan Performance



Add-on PCB Overview (Option)

The diagram illustrates the TDF Digital Room Sensor (TB3) and its various connection points. The central unit is a rectangular box with multiple terminal blocks labeled TB1 through TB7. Each block has specific pins for different functions, such as binary outputs, power supply, data, network port, and analog inputs/outputs. Surrounding the central unit are several callout boxes providing detailed information for each terminal block:

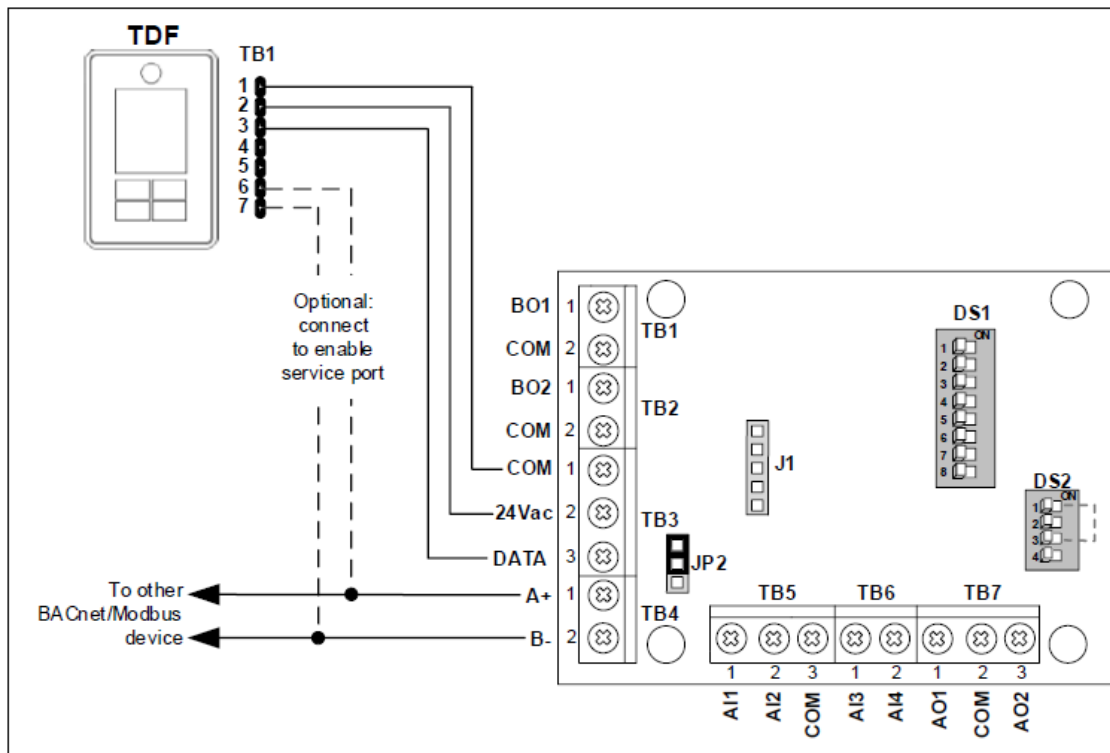
- Binary Outputs | TB1-2:** BO1: Binary Output 1, COM: Common, BO2: Binary Output 2, COM: Common.
- TDF Digital Room Sensor | TB3:** COM: Common, 24Vac: Power Supply, DATA: Data.
- Network Port | TB4:** A+: BACnet/Modbus A+, B-: BACnet/Modbus B-.
- Analog Inputs | TB5:** AI1: Analog Input 1 (0-10Vdc), AI2: Analog Input 2 (0-10Vdc), COM: Common.
- Temperature Sensor | TB6:** AI3: Analog Input 3 (10KOhms or dry contact), AI4: Analog Input 4 (10KOhms or dry contact).
- Analog Outputs | TB7:** AO1: Analog Output 1, COM: Common, AO2: Analog Output 2.
- End of Line | JP2:** None* (default setting) or 120 ohms.
- MAC Address | DS1:** The 8 DIP switches represent a binary logic to calculate the MAC address. Default = all OFF. BACnet all OFF = 0, Modbus all OFF = 1.
- Baud Rate | DS2:** A table showing the relationship between switch positions (1, 2, 3) and the resulting baud rate (9600, 19,200, 38,400, 57,600, 76,800, 115,200). Default setting is Auto Detect*.
- Network | DS2:** A table showing the relationship between switch positions (4) and the resulting network mode (BACnet*, Modbus). Default setting is BACnet*.

Modbus

- Highest MAC address is 247.
- Default is all switches OFF = MAC address 1
- MAC address is binary value +1
- There is no device instance for Modbus.

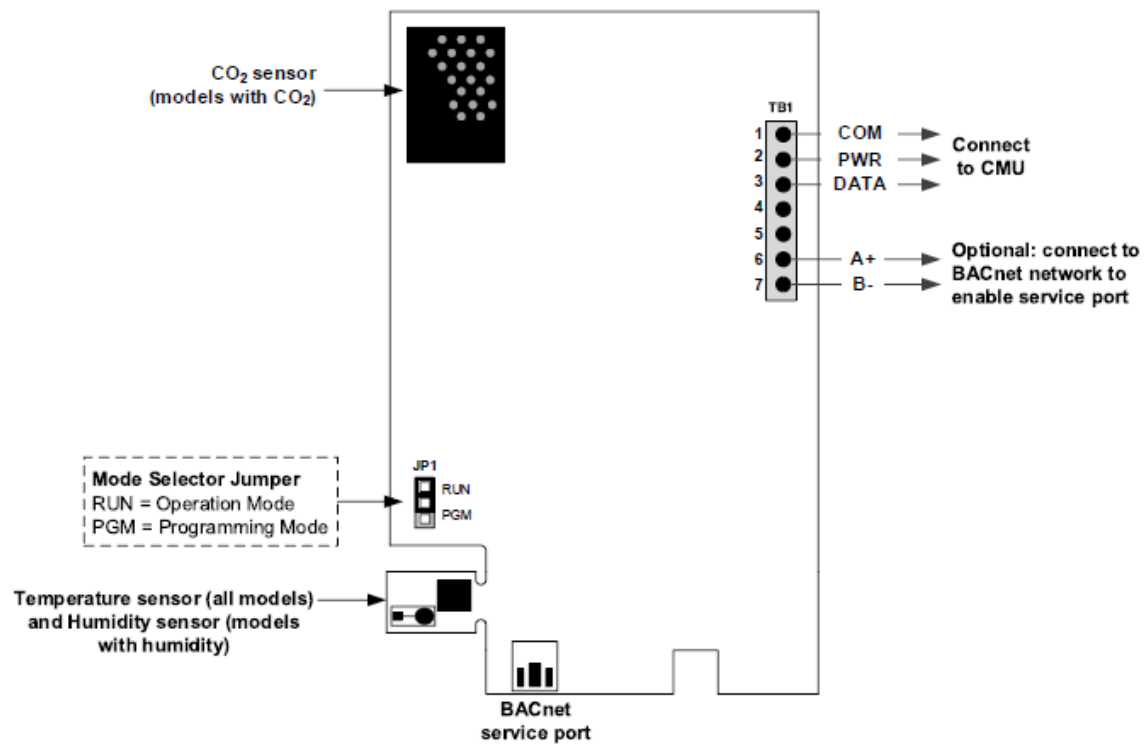
MAC Address	DS.1 = 1	DS.2 = 2	DS.3 = 4	DS.4 = 8	DS.5 = 16	DS.6 = 32	DS.7 = 64	DS.8 = 128
0+1 = 1	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1+1 = 2	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2+1 = 3	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
3+1 = 4	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
4+1 = 5	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
...
126+1 = 127	OFF	ON	ON	ON	ON	ON	ON	OFF
...
246+1 = 247	OFF	ON	ON	OFF	ON	ON	ON	ON

Wiring to TDF Digital Room Sensor





TDF PCB Drawing

- 3 wire cable (TB1 #1, 2 & 3)
- Connect TB1 #6 (A+) & #7 (B-) to CMU to enable the BACnet service port.



- Avoid touching the CO₂ sensor as this may cause incorrect readings.



Mode Selection (JP1)

 <p>RUN</p> <p>PGM</p>	<ul style="list-style-type: none"> • RUN <ul style="list-style-type: none"> ◦ Digital Room Sensor is in Operation Mode. ◦ Digital Room Sensor must be set in this mode for normal system operation. ◦ If not locked, setpoint and control mode can be changed by the end user.
 <p>RUN</p> <p>PGM</p>	<ul style="list-style-type: none"> • PGM <ul style="list-style-type: none"> ◦ Digital Room Sensor is set in Programming Mode. Refer to the following sections for more details.

Access to Menus (Add-on PCB and TDF Required)

The programming menu can be accessed using the TDF digital room sensor by connecting it to the optional add-on PCB. Ensure that the TDF Mode Selection jumper (JP1) is set to PGM. Use the following action buttons to access the menus and save changes using the TDF.

Action Buttons on TDF

Action Button	Task
	Press to access the programming menus and save any changes.
	Press to return to the previous step without saving.

LED Error Sequence

The output on the LED will show when the alarm is active. Following is the LED error sequence

Error	LED Output
Duct Sensor Fault	Blinks 5 times and stays ON for 5 seconds.
Airflow Sensor Fault	Blinks 10 times and stays ON for 10 seconds.
Automatic/Manual Cutout Tripped	Blinks 15 times and stays ON for 15 seconds.
Normal Operation	Blinks once every 2 seconds.
Any other Scenarios*	LED stays on continuously till the alarm is reset.

- **Other scenarios can include but not limited to**

1. Error in Feedback for ECM Fans
2. Incorrect configuration of the IO's on the COM board
3. Communication error between Add-on and Host Board

For the above scenarios, please contact tech support at the factory for assistance.

Inputs – Menu Overview (1 of 4) | AI1 to AI4

Main Menu	Sub Menu	Configuration
-----------	----------	---------------

- To save any changes, press

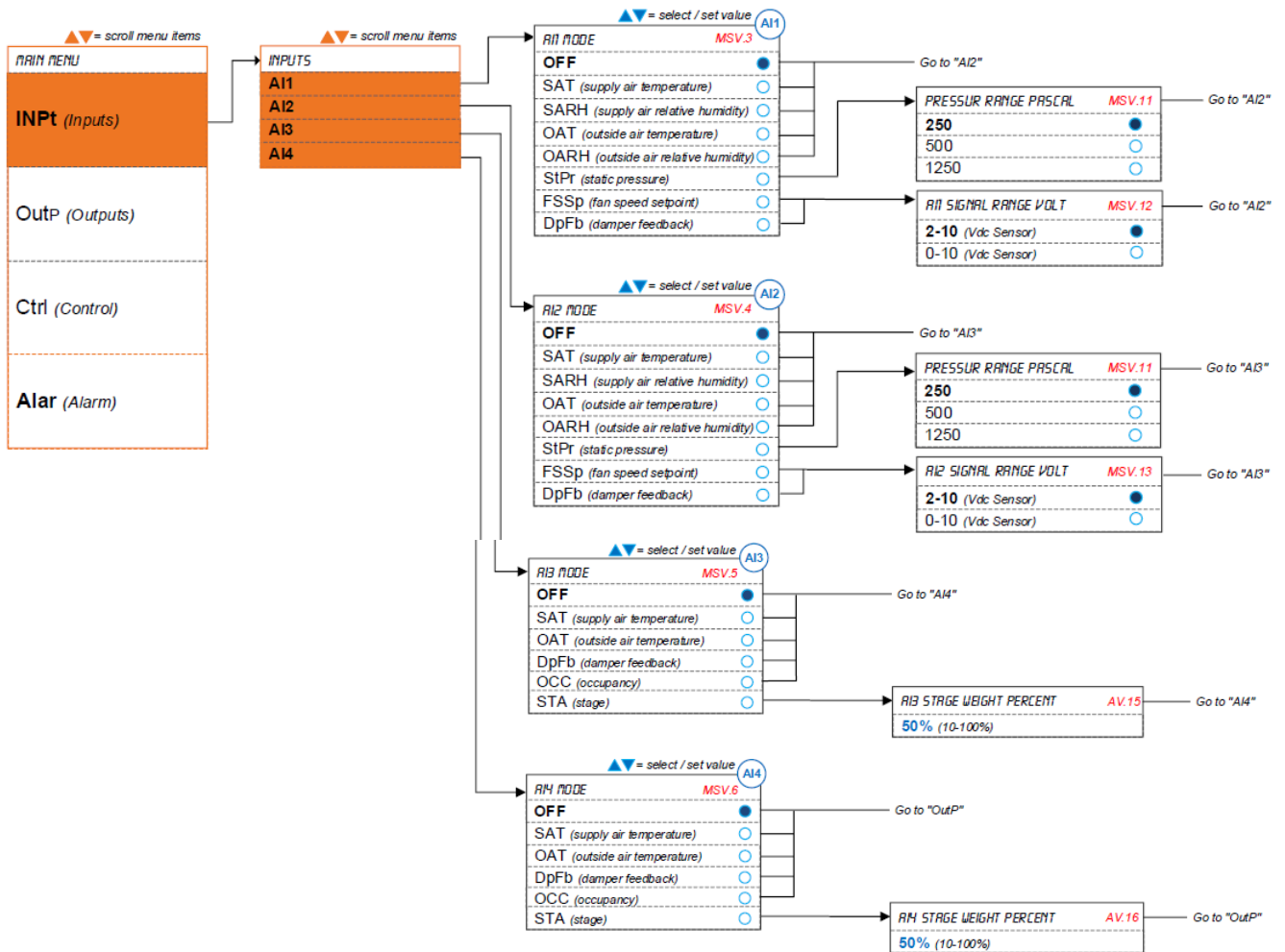


on TDF ***

- To return to the previous step without saving, press



on TDF ***



Outputs – Menu Overview (2 of 4) | AO1, AO2, BO1 and BO2

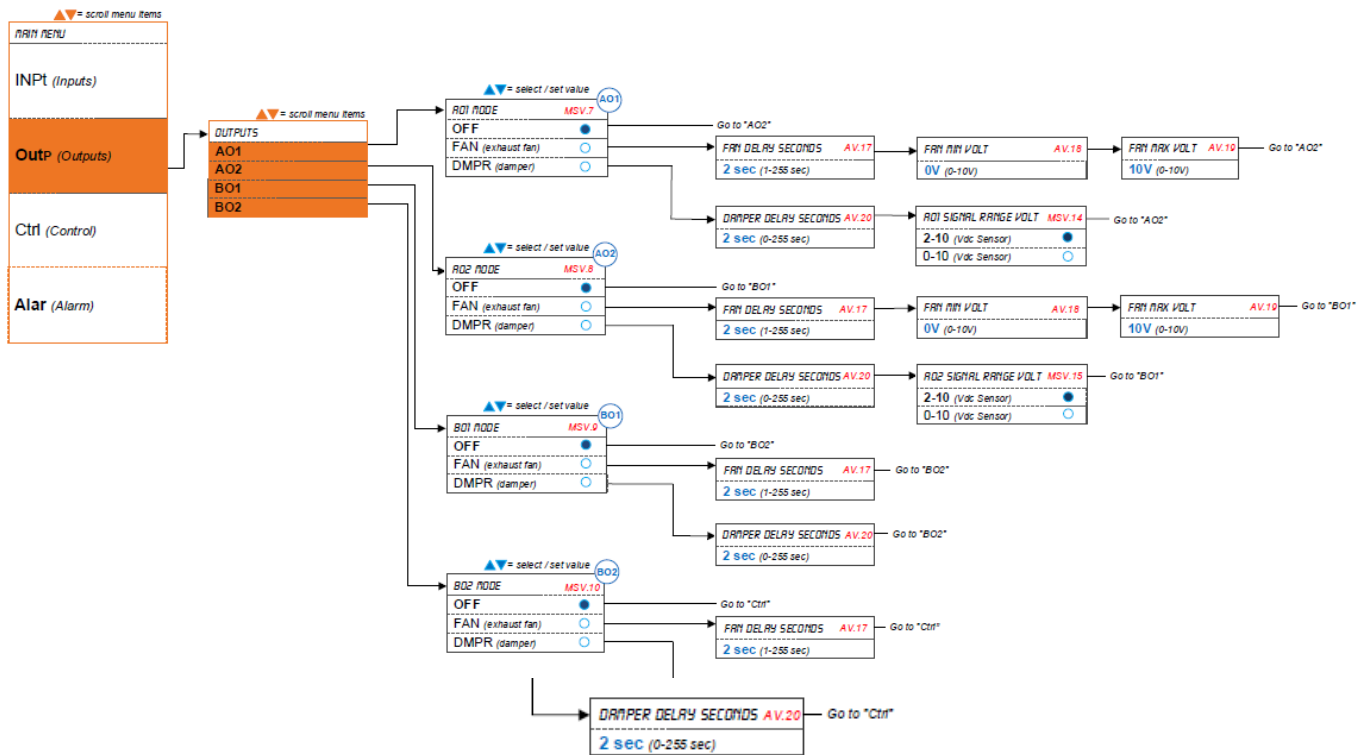
Main Menu	Sub Menu	Configuration
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- To save any changes, press on TDF ***

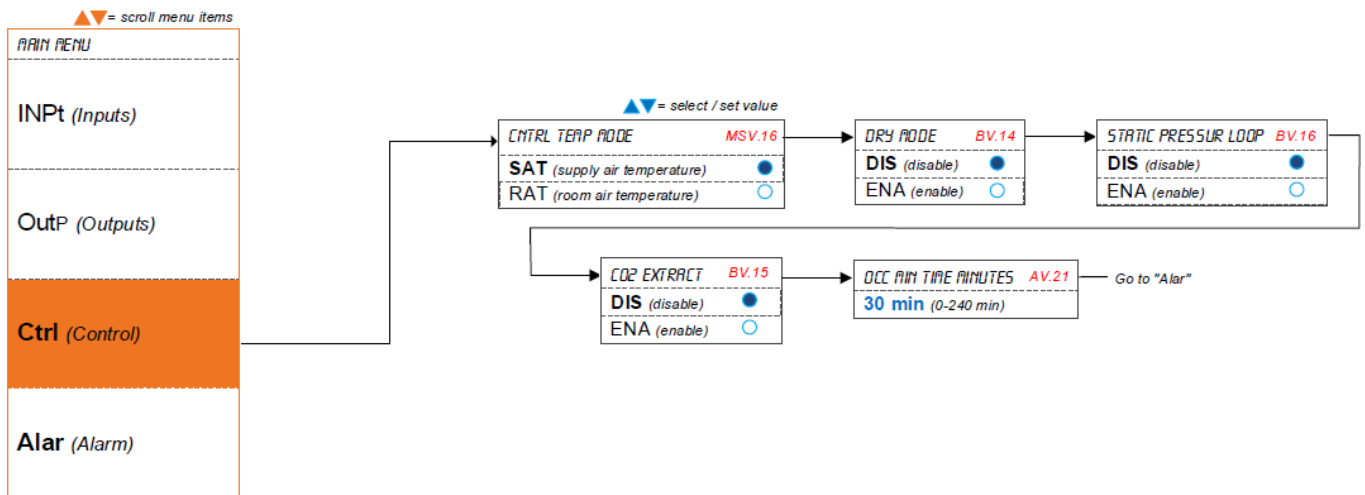


- To return to the previous step without saving, press on TDF ***





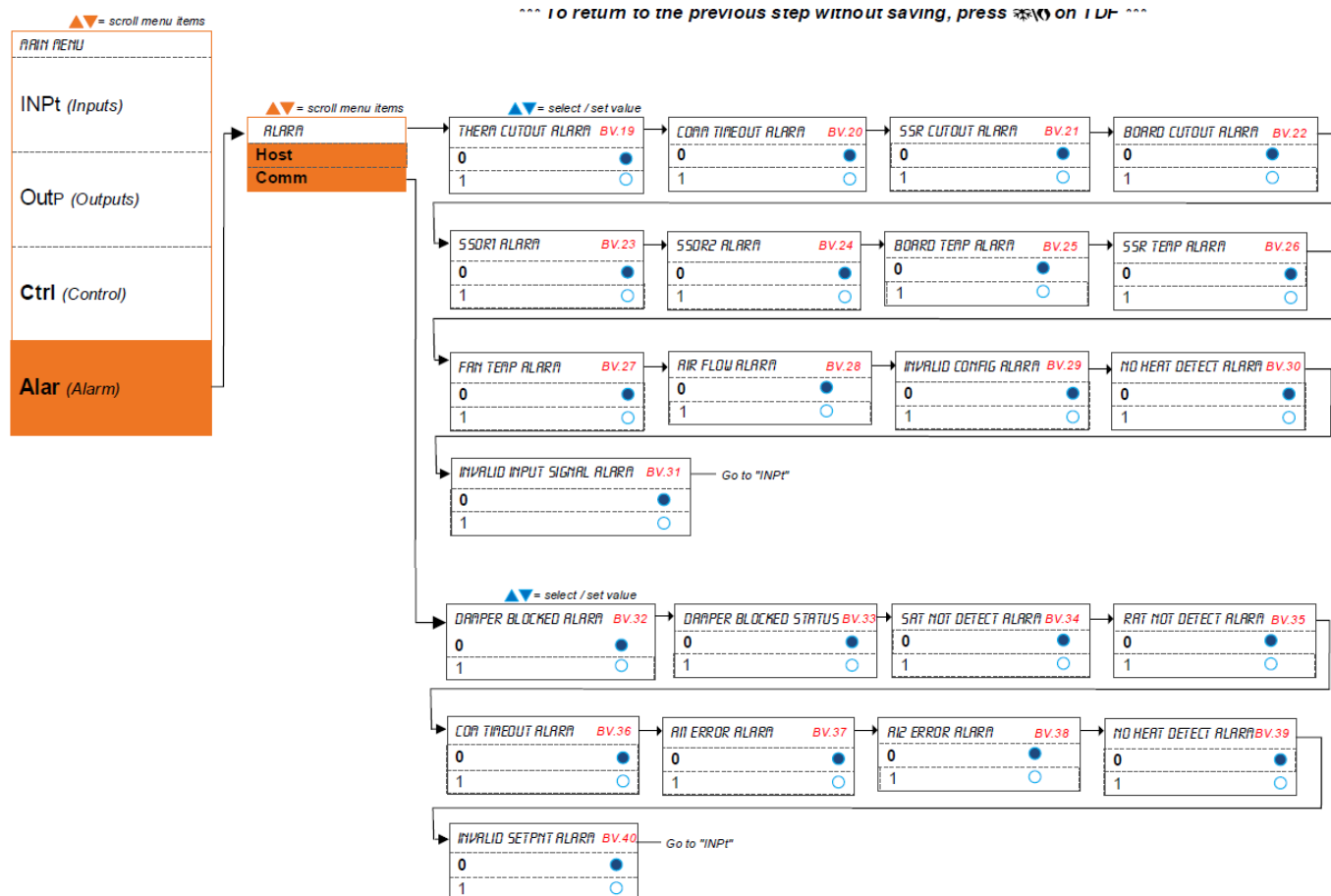
Control – Menu Overview (3 of 4) | Ctrl

- To save any changes, press  on TDF ***
- To return to the previous step without saving, press  on TDF ***





Alarm – Menu Overview (4 of 4) | Alar

- To save any changes, press  on TDF ***
- To return to the previous step without saving, press  on TDF ***

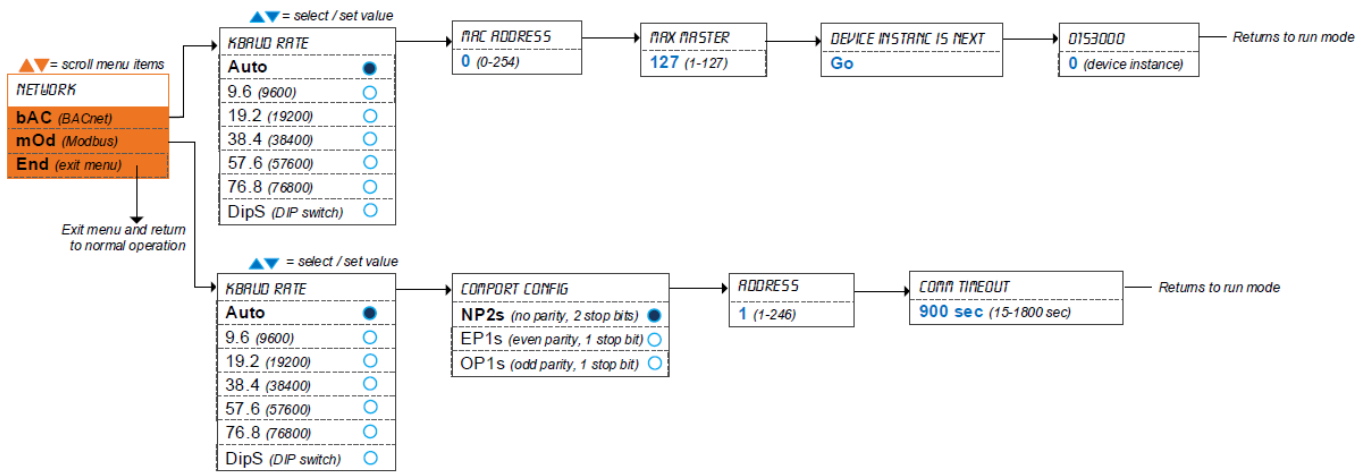


Operation Menus


This menu is accessible through normal operation mode using the TDF digital room sensor.

1. The Mode Selector jumper (JP1) of the digital room sensor must be set to the “RUN” position (Operation Mode).
2. Press the  and  buttons simultaneously for 5 seconds. The “Enter Password” screen appears.
3. Enter the password within 1 minute by using the arrow keys to increase or decrease the value and the toggle between the digits.
 1. Password 637 = Network Settings Menu
 2. Password 757 = Configuration Menu
4. If you enter the wrong password, the digital room sensor displays “Error” and returns to Operation Mode. The digital room sensor will return to normal mode if you navigate through the entire menu and do not make any selection, or if you do not press any key for 5 minutes. The changed values will be saved automatically.

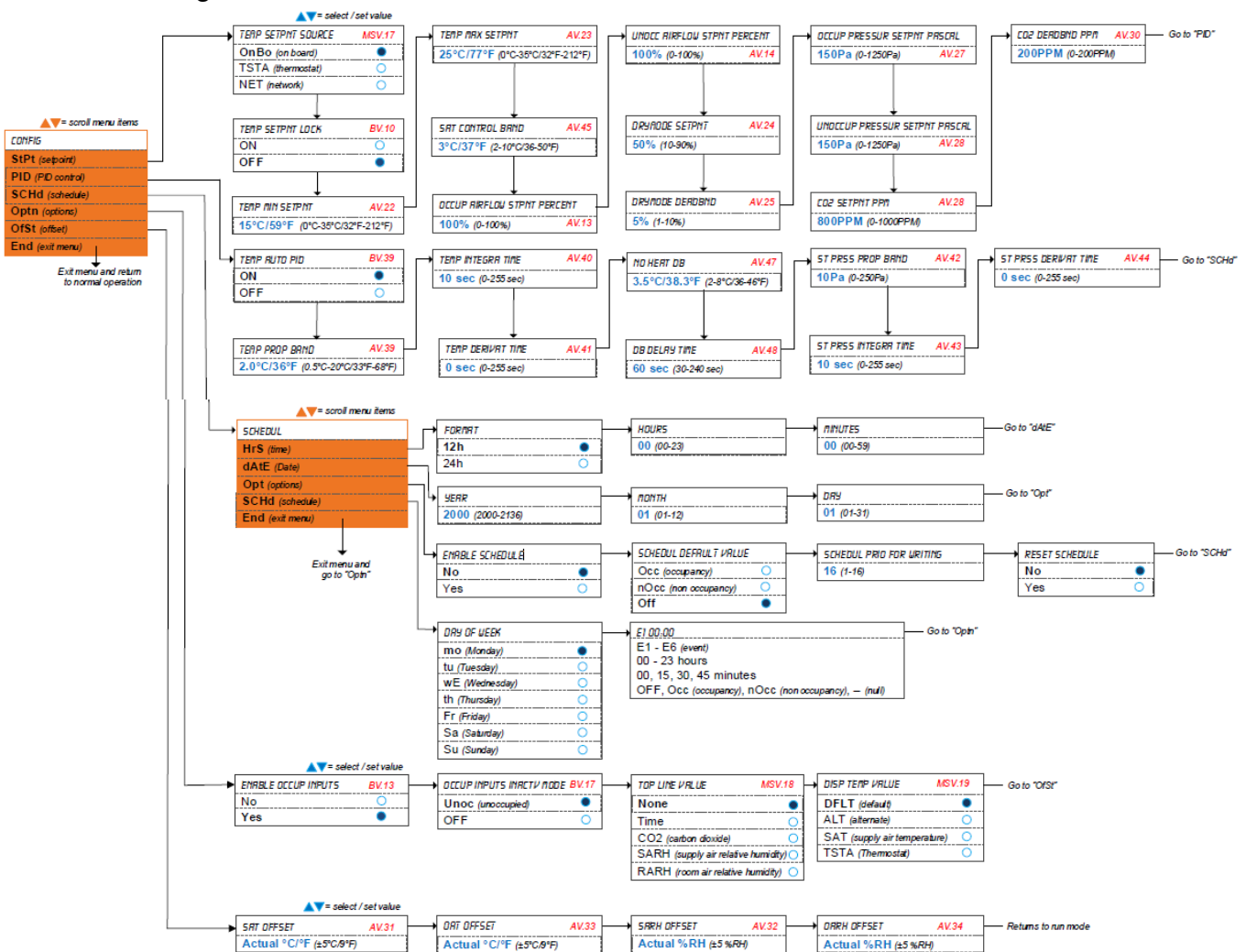
Menu 637 – Network Settings



- To save any changes, press  on TDF ***

- To return to the previous step without saving, press  on TDF ***

Menu 757 – Configuration



- To save any changes, press  on TDF ***



- To return to the previous step without saving, press

on TDF ***

Maintenance

Neptronic make-up air units do not require specific maintenance; however, we recommend a yearly inspection, typically before the winter season or after a long term shut down.

Visual Inspection

Risk of electric shock. Disconnect all supplies before any visual inspection.

- Verify condition of heating elements.
- Heating element must be clean and free of dust or lint.
- Open Coil: Carefully verify that there is no dust accumulation. Any dust or lint accumulation can lead to fire hazard.
- Verify any indication of overheating conditions (discoloration) as well as any trace of oxidation (rust).

Electrical Inspection

Risk of electric shock. Disconnect all supplies before any electrical inspection.

- Verify that electrical connections are correct and properly tightened.
- Verify the condition of fuses.
- Verify resistance of each circuit against ground.
- Verify correct operation of contactor(s).
- If necessary, electrical components must be replaced only with identical origin components.

Filter Maintenance

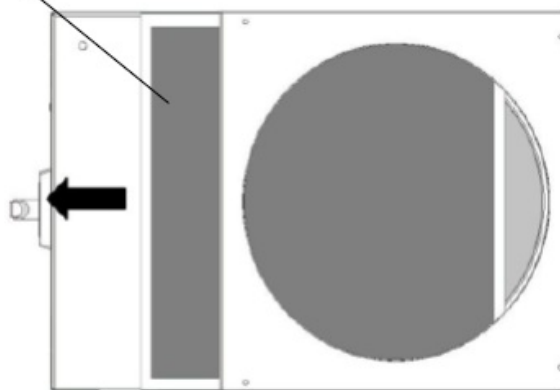
Risk of electric shock. Disconnect all supplies before removing and inspecting the filter.

- CMU is equipped with a filter that must be washed at regular intervals.
- Check the filter after two months of operation.
- To take out the filter, remove the access cover by disconnecting the two screws.
- If the filter is extremely dirty, increase the frequency of inspections.
- Ensure that the filter is dry before replacing it.



Warning: the CMU must always have a filter installed at this location even if an auxiliary filter is used.

Filter



- **General Warranty**

This product is subject to the terms and conditions described at <http://www.neptronic.com/Sales-Conditions.aspx>.

- **Technical Support**

For any questions or specific requests, please consult our web site: www.neptronic.com Or call: 1 800 361-2308 or (514) 333-1433.

Notes: _____

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Toll free in North America: 1-800-361-2308

Tel.: (514) 333-1433

Fax: (514) 333-3163

Customer service fax: (514) 333-1091

Monday to Friday: 8:00am to 5:00pm (Eastern time)

Documents / Resources



[neptronic CMU-06 Compact Make up Air Unit](#) [pdf] Instruction Manual
CMU-06 Compact Make up Air Unit, CMU-06, Compact Make up Air Unit, Make up Air Unit, Air Unit

References

-  [Neptronic | Home - Humidifier Distributor & HVAC Products](#)
-  [Neptronic | Home - Humidifier Distributor & HVAC Products](#)
-  [Neptronic Sales-Conditions](#)