Global Commander

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INSTALLATION INSTRUCTIONS

Agricultural Wash Down Unit Heater - AUG Series

This heater meets the requirements of corrosion and hose down of the CSA #94 standard. Designed for use in environments of category 1 and 2 according to the Canadian Electrical Code.

WARNING

This instruction contains the necessary information for the installation, use and effective operation of this product. Not following guidelines of this instruction and the rules of basic safety when using electrical appliances can cause fire, electric shock, serious injury, death or property damage. You should always keep this instruction in order, to ensure safe operation. The manufacturer cannot be held responsible for anything and warranty will be invalid if the installer and the user does not meet the guidelines of this instruction.

This product must be used in accordance with electrical codes and building codes in your area.

IMPORTANT INSTRUCTIONS

When installating and using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1- Read carefully these instructions before installing and using this heater.
2- Remove the power at the source before handling the internal circuits.
3- Do not operate the heater without fixing it to its support.
4- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep the front, back and sides of the unit clear at all times.

Respect distances and positions mentioned in the "INSTALLATION INSTRUCTIONS" section. See Figures 1 for minimum clearances.

5- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
6- A heater has hot and arcing or sparking parts inside. This heater is not intended and not approved for:
   - Use in area that contain flammable liquids, combustible materials or extremely corrosive, abrasive, chemical, explosive, such as but not limited to, paint, gasoline, chlorine, sawdust and cleaning products. Example: marine, water treatment plans and chemical storage areas.
   - Do not use to heat air with combustible materials in suspension.
   - An outdoor use.

If you need to heat a location with the characteristics listed above, purchase a heater designed for those applications. We recommend that you check what kind of product is suitable for your application with your insurance company, CSA or other certification and/or consult electrical codes and building codes in your area.

Make sure the heater is appropriate for the intended use (if needed, refer to a specialist in heating).

The manufacturer does not warrant these products when used in inappropriate places and will not be liable in any way related to poor selection of the heating product.

7- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
8- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
9- To prevent a possible fire, do not block air intakes or exhaust in any manner.
10- Protect the heater with the appropriate circuit breaker or fuse, in accordance with the nameplate.
11- Make sure the supply voltage (Volts) corresponds to the one indicated on the nameplate.
12- If the installer or the user modifies the product in any way, he will be liable for any damage resulting from this modification and CSA certification could be void.
13- The heater has been designed and certified for ambient heating only. The maximum ambient operating temperature is 30 °C (86 °F).
14- The thermostat should not be considered an infallible device in cases where maintaining a temperature is considered critical. Examples: Hazardous material storage, computer server room, etc. In these particular cases, it is imperative to add a monitoring system to avoid the consequences of a thermostat failure.
15- This heater includes a visual alarm (red light) to warn that parts of the heater are getting excessively hot. If the light turns on, immediately turn the heater off and consult the "OPERATING INSTRUCTIONS" section of this guide. DO NOT OPERATE THE HEATER WHEN THE ALARM LIGHT IS ON.
16- Turn the power off to the electrical panel (breaker/fuse) before proceeding to the installation, repair and cleaning of the heater.

SAVE THESE INSTRUCTIONS

MAINTENANCE INSTRUCTIONS

The motor of this heater is permanently lubricated.

It is the responsibility of the user to evaluate whether to clean the heater according to the amount of dirt accumulated on the air inlets and outlets as well as inside of the heater. Accumulated dirt can lead to a component malfunction. There is a fire hazard if the product is not installed and maintained in accordance with these guidelines.

1- Turn off the power to the electrical panel (breaker/fuse). Let heater unit cold down few minutes because it remains hot for a while.
2- Clean the unit with a low pressure water jet. If necessary, you can use a mild soap. Do not use chemicals or flammable cleaning products.
3- If necessary, the heater may be dusted with a compressed air jet.

WARRANTY

Please refer to the specification sheet at www.globalcommander.ca.

INSTALLATION INSTRUCTIONS

MINIMUM CLEARANCE DISTANCES
Install the unit at least:
8 ft. (2.4 m) from the floor;
5 in. (12.7 cm) of the side and rear walls;
6 in. (15 cm) from the ceiling.

In addition to ensuring that the clearance distances set out above are respected, ensure that the framing materials, insulation and finishing which are likely to be in contact with or close to the device can withstand temperatures of at least 90 °C (194 °F).

MOUNTING
Make sure the power is off to the power supply before handling the internal circuitry.

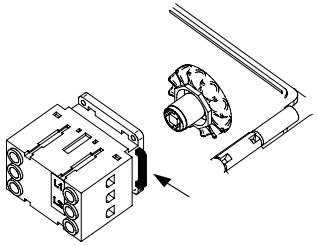
Refer to Figure 2.

1- Insert washer (2), flanged bushing (3), support (4) and flat bushing (5) onto bolt (1).
2- Fix one of the brackets (6 or 10) to the wall or ceiling using two screws (not supplied). The wall or the ceiling and the screws must be able to support the weight of the unit 50 lb (23 kg).
3- Insert bolt (1) into bracket (6 or 10), then add flat bearing (7) and washer (8).
4- Fix the heater to the bracket using the self-locking nut (9).
5- Drill a hole on the enclosure (11) to pass the power leads in a water tight fitting (not supplied). The connection fitting use must be water tight. It is recommended to drill the back of the enclosure.

CONNECTING THE POWER
The wiring diagram is located inside the cover of the junction box. Make the connection in accordance with national and local electric codes.

To make the power connection, remove the disconnect switch from its base by pushing the black “U” clip.

Once connected, reinstall the main switch on its base.



INSPECTION
1. Ensure that the device works well by temporarily adjusting the thermostat to the maximum temperature.
2. Make sure the fan rotates in the correct direction; the air flow should be in the direction of the arrow as shown in Figure 1.
3. Make sure that the distances from walls and ceiling are respected.

OPERATING INSTRUCTIONS

TEMPERATURE ADJUSTMENT
Rotate thermostat knob full clockwise. The fan will start and the element will start to heat a few second later. This will remove the dust in the heater before activating the elements. When the desired temperature is reached, turn the thermostat counter-clockwise slowly until you hear a click. To make some temperature adjustments, turn slowly the thermostat clockwise to increase the temperature or counter clockwise to decrease the temperature.

FAN MODE
This option allows the use of the fan in continuous or automatic mode.

Position ON: The fan runs continuously, with or without heating demand.

Position AUTO: The fan operates in automatic mode, only during a heating demand.

OVERHEAT PROTECTION
“LT” Model:
This model is equipped with an automatic reset thermal protection.

Figure 1: Minimum clearance distances

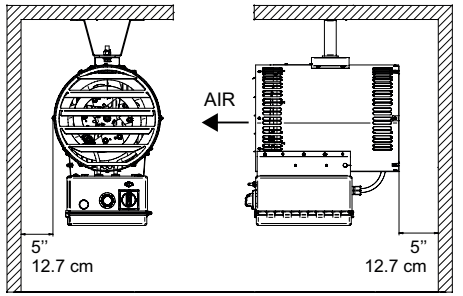


Figure 2: Mounting

