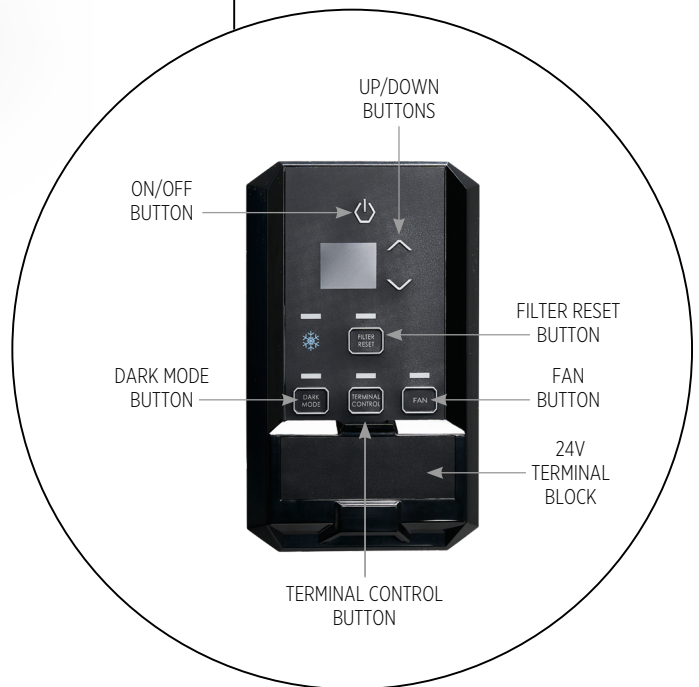




READ AND SAVE THESE INSTRUCTIONS

OVERVIEW

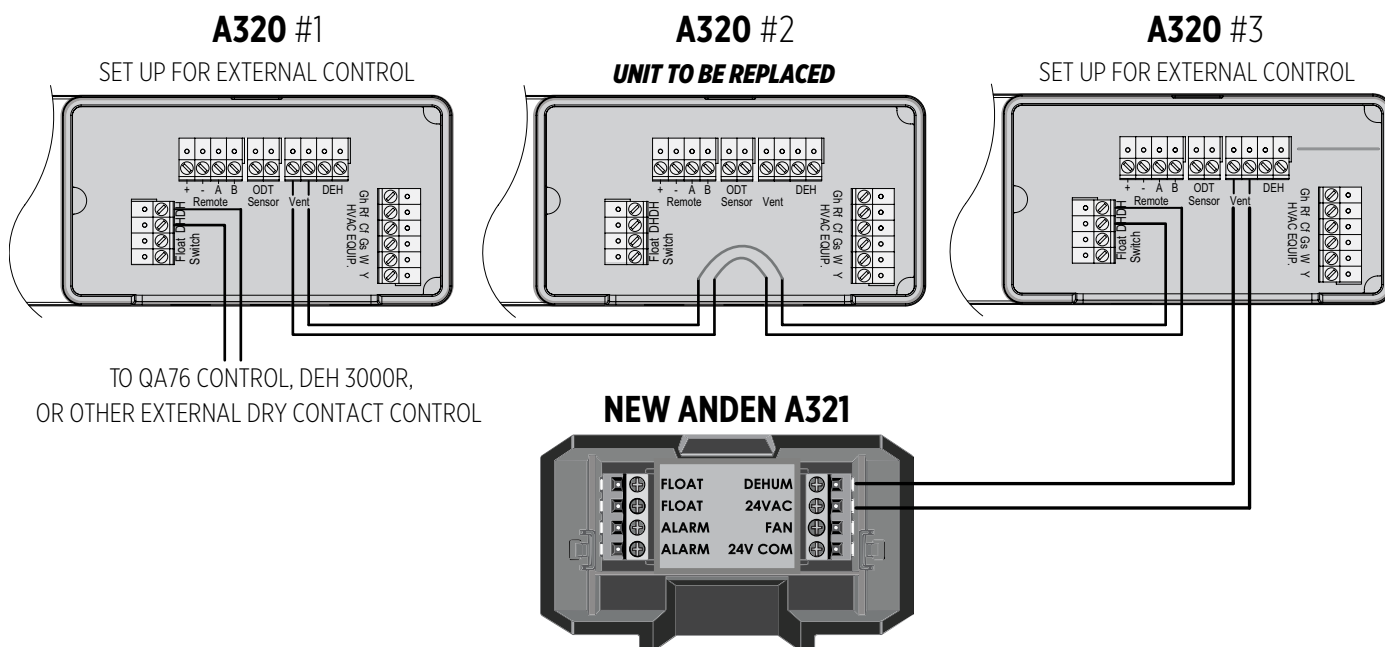
When replacing an Anden 320 with a new Anden 321 there are some installation details to consider. Although the 321 is similar in size it is not a drop-in replacement. This document will review these differences to prevent installation errors. Here are the topics:

- Control Wiring
- A77
- Cord Change
- Drain trap
- Hanging method

CONTROL WIRING

The on-board control for the A321 uses a different wiring configuration and control voltage than the A320. Rewiring of any daisy chained units will be needed.

- A321 cannot be the first or middle unit on the chain. Must be at the end of the chain as shown.
- Additional A321's can be added at the end of the chain using the DEHUM and 24V Com terminals.
- Do not carry over the 24VAC terminal on subsequent A321's



A77

The Anden 320 came with a A77 wired controller. This controller will not work directly with the new Anden 321. If the A77 was used, replace it with the QA76 control, or a controller that uses 24 VAC. Dry contacts will be required to run the unit if remote operation is wanted.

CORD CHANGE

The older Anden 320 used 20amp cords in both 208-240 volt and 277-volt models. The new more efficient Anden 321 uses 15amp cords which can complicate replacement. One method of resolving this is that the 20amp cord from the Anden 320 can be installed in the Anden 321. This document will show how to complete this cord change.

TOOLS:

- Phillips screwdriver
- T20 torx bit
- 3/8 hex deep socket and ratchet
- Pliers

PLUG INFORMATION:

R = Receptacle or Outlet

P = Plug or Cord End

• 208-240 volt cord

- 15 amp = 6-15
- 20 amp = 6-20

• 277 volt cord

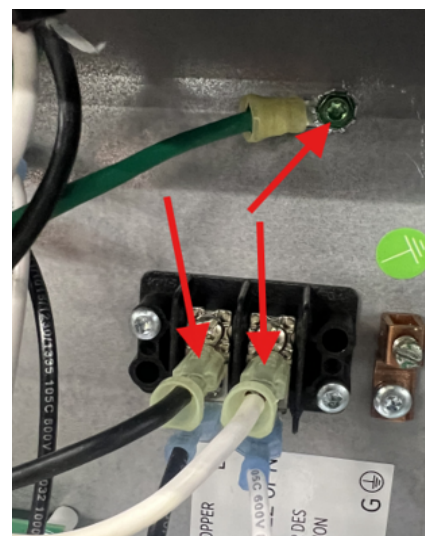
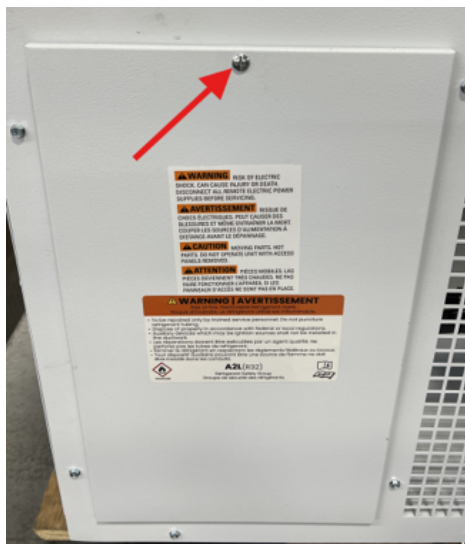
- 15amp = L7-15
- 20amp = L7-20

		RECEPTACLE OR OUTLET	PLUG OR CORD END
208-240V	6-15R		6-15P
208-240V	6-20R		6-20P
277V	L7-15R		L7-15P
277V	L7-20R		L7-20P

!!!Before starting any work remove both units from power as a safety precaution!!!

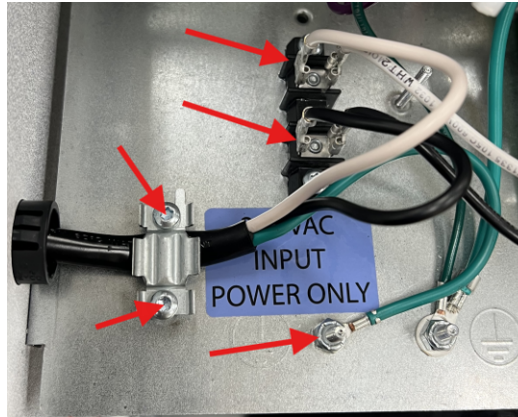
Instructions:

- Removing the 20-amp cord from the Anden 320
- Using a Phillips head screwdriver, remove the top screw for the access panel and fold down to gain access.
- Using a T20 torx remove the green ground screw.
- Using pliers remove the 2 spade terminals from the terminal block.
- Using a Phillips head screwdriver, Remove the 2 Philips head screws for the cable restraint.
- Remove the cord from the unit.



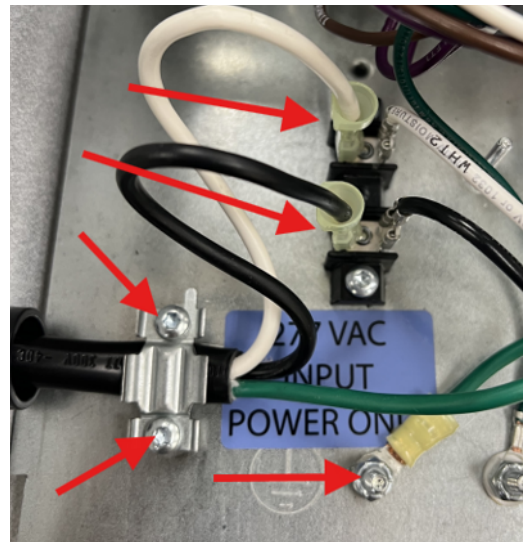
Removing the 15 amp cord from the Anden 321:

- Using a T20 torx remove the 7 screws holding the access panel in place. Lift and remove the panel.
- Using a 3/8 socket remove the nut holding the cord ground in place.
- Using a T20 torx remove the 2 screws for the cord restraint.
- Using pliers remove the 2 spade terminals from the terminal block.
- Remove the cord from the unit.



Installing the 20amp cord in the Anden 321 :

- First install the black wire into the unit
- The cabinet bushing is very tight to pass both connectors through but can be done. Orient the white terminal and black wire as shown to pass the terminal through the cabinet bushing.
- Pass the green ground wire last.
- Secure the power cords black outer sheath under the cord restraint.
- Install the ground wire on the terminal lug and secure with the 3/8 nut. Make sure to orient the terminal as shown.
- Install the 2 terminals on the terminal block. Matching the white and black wires next to the same color wires.



Complete: Reinstall the access cover and test unit for proper operation.

DRAIN TRAP

The Anden 321 does not come with a drain trap like the Anden 320 but still requires a trap for best operation. Using the Anden 320 trap on the Anden 321 is possible with some pipe modifications.

Condensate Water Removal:

A drain trap is recommended upon installation. Condensate drains by gravity via the drain port. Use 3/4" male NPT PVC pipe. An optional condensate pump kit may be installed if a lift is required to dispose of the condensate.

Follow Diagram:

Vent:

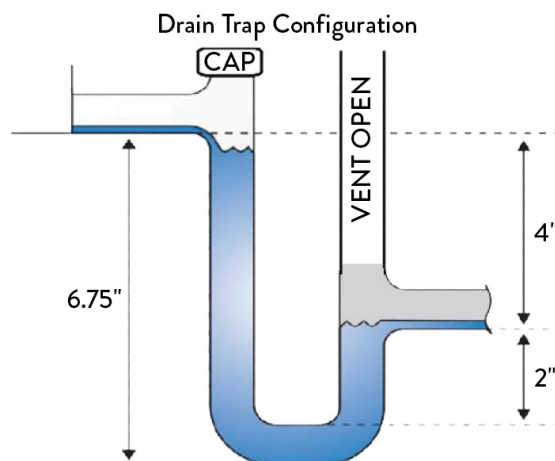
- Place vent after the trap.
- Vent should be open.
- Height of vent should be higher than drain outlet.

Cap:

- A clean out can be placed before trap but must be sealed with a cap.

Drain Line:

- Drain line should go in a downward slope toward the drain.
- 1/4" drop per foot.



HANGING METHOD

The Anden 320 and 321 have different mounting locations for hanging the unit. Use 2 pieces of Unistrut to adapt the Anden 320's location to the Anden 321.

