CONNECTION OF GRAVITY DRAIN AND CONDENSATE PUMP FOR SLIM DUCT

Bulletin No.: 003
Issue Date: July 11, 2025
Models: AFEB**HP230V1SD
Production Dates: November 2024 – February 2025

Equipment Needed

N/A

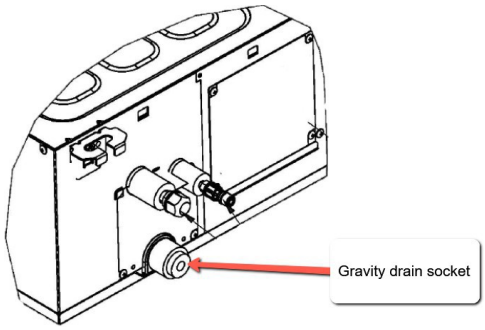
Tools Required

N/A

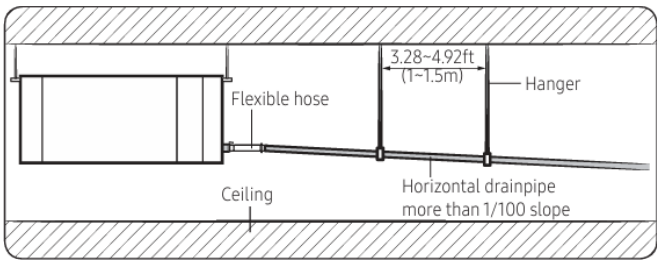
Procedure for Gravity Drain

1. Install a 3/4” horizontal drainpipe with a slope of 1/100 or more, supported by hangers spaced 3.28–4.92 ft (1–1.5 m) apart.
2. Install a U-trap at the end of the drainpipe to prevent odors from reaching the indoor unit.
3. Do not install the drainpipe in an upward position. Water may flow back into the unit.

Example



Gravity drain socket



Drainpipe slope and hanger spacing

Procedure for 3rd-Party Pump (208/230V)

Pump Placement – Critical

- The pump must be installed *below* the indoor unit’s gravity drain outlet.
- **Do not install the pump above or level with the drain outlet**, as this may result in overflow or pump failure.
- Mount the pump horizontally on a solid, vibration-free surface.
- Leave sufficient clearance for servicing the reservoir and float switch.

Drain Line Connection

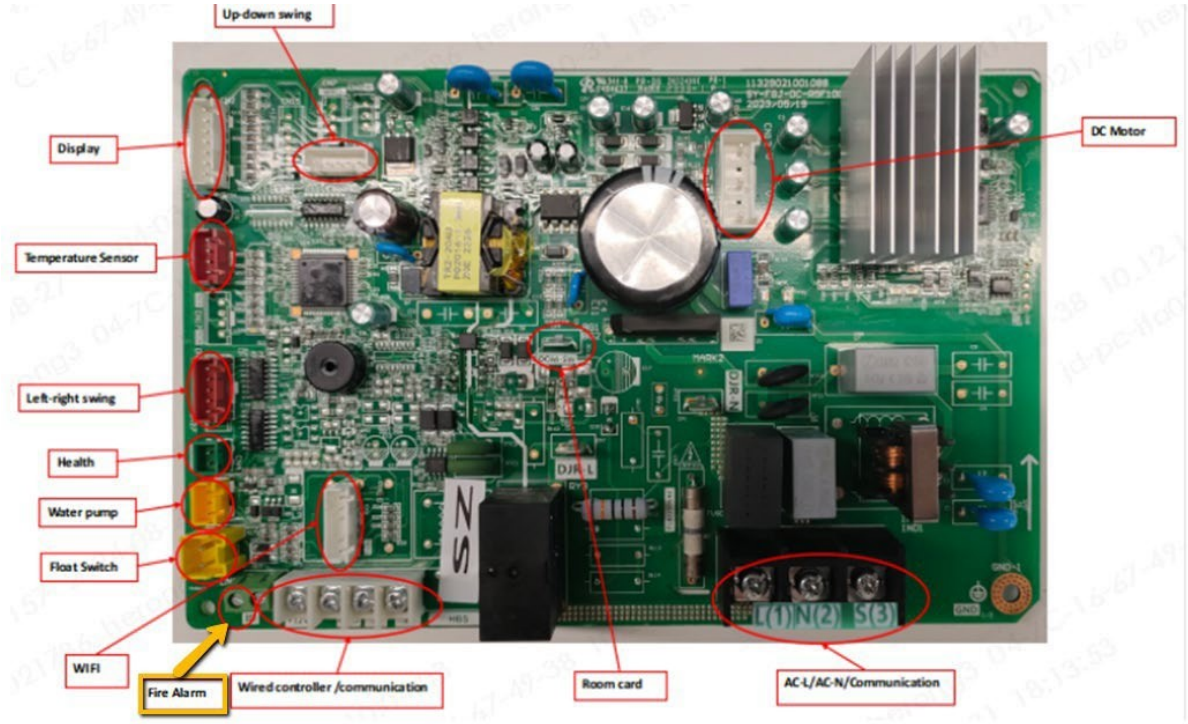
- Connect the indoor unit’s 3/4” gravity drain outlet to the pump inlet, using a reducing adapter if needed.

> **Note**
> Always follow the **manufacturer’s installation instructions** for the 3rd-party pump, including electrical connections, mounting requirements, and maintenance guidelines. AUX is not responsible for issues resulting from improper installation or use of 3rd-party components outside the pump manufacturer’s specified guidelines.

Power & Safety Wiring from 3rd-Party Pump

- Connect the 208/230V pump power wires to terminals **L(1)** and **N(2)** on the indoor unit power terminal block.
- Connect the pump's N.O. (normally open) safety contact to the terminals labeled **Fire Alarm** on the bottom left of the control PCB.

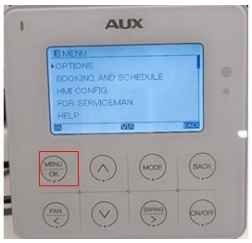




Indoor unit control PCB: Fire Alarm terminals (bottom left) and L(1)/N(2) power terminals (bottom right)

Configure the N.O. Dry Contact (AUX Controller)

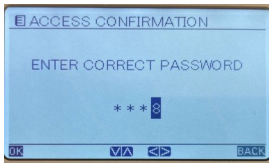
1. Press the **MENU/OK** button.



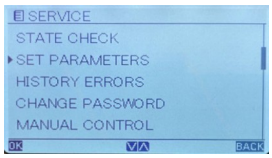
2. Navigate down to **FOR SERVICEMAN**, then press **MENU/OK**.



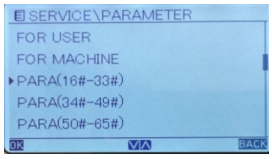
3. Enter code **8888**, then press **MENU/OK**.



4. Select **SET PARAMETERS**, then press **MENU/OK**.



5. Press the down arrow to **PARA(16#-33#)**, then press **MENU/OK**.



6. Press the down arrow to **17#** and set the value to **2**. Press **BACK** to return to the main menu.

