

AIRNEXUS HYDRONIC EXPANSION (ANX-EXP-HYDRO8)

General

Efficiently manage heating across multiple areas with our 8-Zone Hydronic Controller. Designed for both residential and commercial settings, this controller allows for independent temperature control in up to 8 zones, ensuring comfort wherever it's needed.

Key Features:

- **Independent Zone Control:** Manage up to 8 different heating zones separately, adjusting for individual comfort needs.
- **User-Friendly Interface:** Simple touchscreen display for easy adjustments and monitoring.
- **Energy Efficient:** Advanced algorithms improve water flow and temperature distribution, cutting down on energy costs.
- **Remote Management:** Control settings remotely via a smartphone app or web interface, making adjustments easy from anywhere.
- **Durable and Reliable:** Built with high-quality materials to withstand continuous use and provide long-lasting service.
- **Programmable Scheduling:** Set heating schedules for each zone to automate temperature changes and reduce manual input.
- **System Compatibility:** Works with various hydronic heating setups, including radiant floors



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Installation

Installation Steps:

1. **Mount the Controller:**
 - Secure the 8-Zone Hydronic Controller on the wall using the provided mounting hardware.
 - Ensure it is at a convenient height for daily operation.
2. **Connect to Power Supply:**
 - Wire the controller to the power supply according to the wiring diagram provided in the user manual.
 - Confirm that all connections are tight and secure.
3. **Connect to Airnexus VRV32 Controller:**
 - Use the bus cable to connect the 8-Zone Hydronic Controller to the Airnexus VRV32 Controller.
 - Follow the wiring diagram to ensure correct connections between the two controllers.
4. **Connect Heating Zones:**
 - Label the wires for each zone to facilitate easy setup and future maintenance.
 - Attach each zone's control wire to its designated terminal on the hydronic controller. Check the controller's manual for detailed terminal configurations.
5. **Configure Network Settings (if applicable):**
 - For remote access capabilities, connect the controller to your local network via Ethernet or Wi-Fi.
 - Complete network settings setup according to the instructions provided either on-screen or in the manual.
6. **System Configuration:**
 - Power on the controller.
 - Proceed through the initial setup to configure heating zones, which includes setting names, temperature limits, and schedules based on user preference.
7. **Test the System:**
 - Individually activate each zone to verify correct operation.
 - Adjust settings as necessary to ensure all zones are responding to the controller's commands properly.

Specifications

Specifications Table	
Voltage	24VDC 0.5A +/- 5%
Operating Temperature Range	-40 to 85 °C
Weight	165g
Plastic	ABS
Standard	IEEE802.3
Features	<p>Output: The output does not have voltage. The single relay has a DC rating of 10A, an AC rated current of 10A, a maximum AC rating of 250V, and a maximum DC rating of 30V</p> <p>Input: 10 channels of Voltage free input The device has an RS485 interface. It can be controlled by RS485 equipment from other manufacturers.</p>
Dimensions	110 x 90 x 50 mm
Installation	DIN-rail

