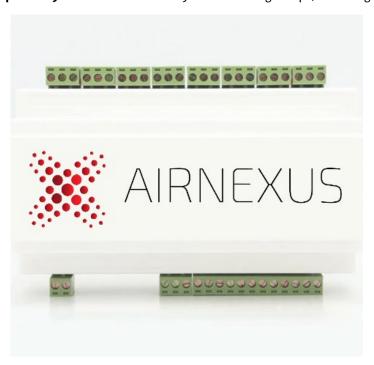
# AIRNEXUS HYDRONIC EXPANSION (ANX-EXP-HYDRO8)

#### 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.
- o 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.
- o 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.
- o Follow the wiring diagram to ensure correct connections between the two controllers.

#### 4. Connect Heating Zones:

- o 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):

- o For remote access capabilities, connect the controller to your local network via Ethernet or Wi-Fi.
- o Complete network settings setup according to the instructions provided either on-screen or in the manual.

#### 6. System Configuration:

- o 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:

- o Individually activate each zone to verify correct operation.
- Adjust settings as necessary to ensure all zones are responding to the controller's commands properly.

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### Specifications

Specifications Table	
Voltage	24VDC 0.5A +/- 5%
Operating Temperature Range	-40 to 85 ° C
Weight	165g
Plastic	ABS
Standard	IEEE802.3
Features	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 Input: 10 channels of Voltage free input The device has an RS485 interface. It can be controlled by RS485 equipment from other manufacturers.
Dimensions	110 x 90 x 50 mm
Installation	DIN-rail



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