

# ZX Series Accessories

## Model: AG-CC-ZX Wireless HVAC Controller

Verdant's HVAC Controller is a versatile in-room device that enables wireless thermostat control of most terminal unit HVAC systems. The HVAC Controller receives power from the controlled HVAC unit and can fit discreetly inside most packaged units.

Each HVAC Controller has 9 terminals with 7 onboard relays to control standard HVAC systems, while 2 auxiliary outputs can be used to control mechanical devices such as lighting relays, dampers or smart plugs, providing a simpler and more cost-effective path to building code compliance. The device is also capable of sending and receiving an analog signal of 0-10VDC, thereby enabling control of modulating valves and fans. Input terminals can be used to integrate a variety of external sensors, including CO2, pressure, light intensity and more.

The HVAC Controller also comes with RS485 Modbus communication, enabling the control of Variable Refrigerant Flow (VRF) indoor units without a 24VAC adapter. The direct communication capabilities preserve the optimal control required to drive VRF, VRV and other proprietary HVAC systems.

The HVAC controller can provide 12VDC from terminals 12 and 13 to power the wall unit avoiding the usage of batteries. Ensure wiring is sized correctly and respects any local codes

Dimensions (Imperial)	4.836" x 2.761" x 1.02"	
Dimensions (Metric)	123mm x 70mm x 26mm	
Operating Voltage	24VAC	12VDC
Control Inputs/Outputs	Fan High (GH)	Analog Input 1
	Fan Low (GL)	Analog Input 2
	Compressor (Y)	Analog Input 3
	Heat Pump (O/B)	Analog Output 1
	Heat (W)	Analog Output 2
	Aux 1	Analog Output 3
	Aux 2	RS485 Output 1
		RS485 Output 2
		12VDC Output
Wireless Frequency	900MHz	
FCC ID	XEY-ZX-LV	
IC	8410A-ZXLV	
Weight	0.17oz   5g	



### Compatible With

- PTAC Cooling Only
- PTAC Heat Pump w/Electric Heat
- Unit Heaters
- VTAC
- VTAC with Electric Heat
- Water Source Heat Pumps 1,2, stages and electric heat
- Split Heat Pump Unit
- Split Unit Cooling Only
- Split Heat Pump Unit with Electric Heat
- Fan Coil Unit 2-Pipe System Constant Fan/Modulating Fan
- Fan Coil Unit 2-Pipe System with Electric Heat, Constant/Modulating Fan
- Fan Coil Unit 4-Pipe System Constant Fan/Modulating Fan
- Fan Coil Unit 4-Pipe System and baseboard control (ON/OFF), Constant Fan/Modulating Fan
- Fan Coil Unit 2-Pipe System with Auto Change Over, Constant Fan/Modulating Fan.
- Fan Coil Unit 2-pipe system with Floating Valve Control
- Fan Coil Unit 2-pipe system with 0-10V Valve Control Constant/Modulating Fan
- Fan Coil Unit 4-pipe system with 0-10V Valve Control Constant/Modulating Fan
- Mitsubishi VRF indoor units
- Mitsubishi mini split units.
- LG VRF indoor units
- Daikin VRF indoor units\*
- Fujitsu mini split indoor units\*
- Other VRF indoor units\*



THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.

PURSUANT TO PART 15.21 OF THE FCC RULES, ANY CHANGES OR MODIFICATIONS TO THIS EQUIPMENT NOT EXPRESSLY APPROVED BY VERDANT ENVIRONMENTAL TECHNOLOGIES, INC. MAY VOID VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

US PATENTS: 8,369,994; 8,141,791; 7,918,406; 7,841,542; 7,838,803; RE40,437; 7,232,075; 7,185,825; 7,156,318; 7,152,806; 7,145,110; 7,058,477; 7,050,026; 7,028,912; 6,902,117; 6,789,739; 6,786,421; 6,619,555; 6,581,846; 6,578,770; CANADIAN PATENTS: CA2615065; CA2633113; CA2633121; CA2633200; OTHER PATENTS PENDING.

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\* Requires third-party adaptor, sold separately.