

Zoneconnex

Zoneconnex is anywAiR®’s pre-programmed HVAC zone controller, designed to provide a local interface for monitoring and managing split ducted air conditioning systems in residential and light commercial environments.

It delivers precise zone control and system visibility through the anywAiR® Zone mobile app or via the TouchPoint LCD screen, allowing users to easily adjust temperature settings, mode selections, and airflow preferences across multiple zones.

Optimised for smart home integration and HVAC retrofit installations, Zoneconnex streamlines interactions between users and connected systems – helping improve comfort, efficiency, and overall control flexibility.



Technical Data

General	
Model Number	ZC-01-N1 - Base Model (Customisable/OEM Variants available).
Dimensions	111.84 mm × 105.31 mm × 70.25 mm → 4.40 in × 4.15 in × 2.76 in
Power Supply	24V AC/DC power supply (AC required for damper control)
RTC	Onboard Real-Time Clock (RTC)
Mounting	Wall mount holes + DIN rail clip interface
Operating Temperature	0 to 60 degrees celsius
Material type	PC/ABS blend (Flame Retardant Grade, UL94 V-0) Matte Black
IP Rating	IP2X
Compliance & Certification	RCM – Regulatory Compliance Mark RoHS compliant CE compliance FCC compliance

Processor & Memory	
CPU	32-bit RISC-V @ 160 MHz
MCU	ESP32-WROOM-32UE-N8
Operating Software	FreeRTOS
RAM	External flash (typical 4 MB), 512 kB SRAM
Connectivity & Communication Ports	
Ethernet	2x 100 Mbps RJ45 Ethernet Ports for LAN Connection.
RS-485	1 × Isolated RS-485 (for field-bus communication) 1 × RS-485 (for touchscreen or local Modbus device). Speeds: 9.6K, 19.2k, 38.4K, 57.6K, 115.2K bit/s Data Bits: 8 bits Parity: None, Even, Odd
Touchscreen Power	18V DC supply (capable of powering up to two screens)
UART	1x Four-wire connection (TX, RX, GND, +5 V/3.3 V) to interface with Fujitsu ducted systems.
Zone Control Ports	10x RJ12 outputs rated to 24VAC dampers up to 150mA.
LoRa®	<p>Supported Frequencies: AU915, US915, AS923, EU863</p> <p>Spreading Factor: 7-12</p> <p>Bandwidth: 125 kHz, 250 kHz and 500 kHz</p>
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About Nube iO

At Nube iO, we make buildings smarter. From enterprise and industrial portfolios to light commercial and smart homes, our scalable, data-driven technology bridges BMS and IoT to connect devices, systems, and spaces - giving users simpler control, clearer visibility, and more sustainable operations.

Built to scale from single sites to entire portfolios, our ecosystem – including traditional controls, wireless sensors, protocol-ready gateways and licence-free programming software – delivers seamless integration and efficient automation across diverse environments. Backed by global expertise and a commitment to continuous innovation, we make building automation smarter, simpler, and future-ready.

Smarter Buildings. Forward Thinking

Unlock smarter, more sustainable building operations – book a demo at nube-io.com

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FCC Caution.

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 undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.