iCN-733N — 32 units of AC interlinked Temperature Controllers

Incoming Call Memory Type	Incoming Call Power-On Type	Incoming Call Power-Off Type

Flagship Edition/Customized Function Selection

Four-Pipe Output Control

Room Card Functionality

※ Please scan this QR code for the user manual.
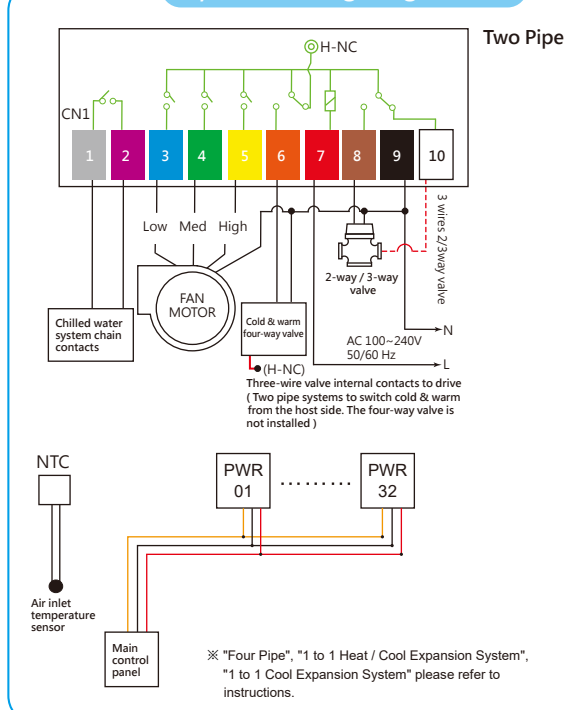
Function Description ▶▶

Power	⏻	Power on / off motors in order or by group.
Mode	Mode	1. When power is on, press to switch between 3 system modes→ Cool, Heat, Ventilation. 2. When power is off, press & hold for 3 seconds to enter settings menu.
Fan	Fan	3 modes→ Automatic, Low speed, Medium speed, High speed.
Fan location seletor	ID-ID+	1. You can select fan's ID (01~32). 2. After fan's ID is selected, fan's ID icon will flash while establish connction.
Simultaneous Group Control	Press & hold both ID-ID+	1. Press & hold both ID- and ID+ for 4 seconds to switch to Simultaneous Group Control. 2. Cancel Simultaneous Group Control→ press ID- or ID+ to swith back to Single Control. The LCD will display previous Single Control fan's ID.
Temperature Adjustment	▲ ▼	When power is on, press to adjust temperature +/- 0.5 ° C. Press & hold to speed up adjustment. When power is off, press & hold (▲ and ▼) adjustment keys for 5 seconds , you can set/release key's lock. When keys are locked, only power switch, 0~24 hours program schedule setting and fan selector are functional.

※ Advanced Timer Switch (On / Off) : Press both ▲ ▼, can set up timer for individual fan.

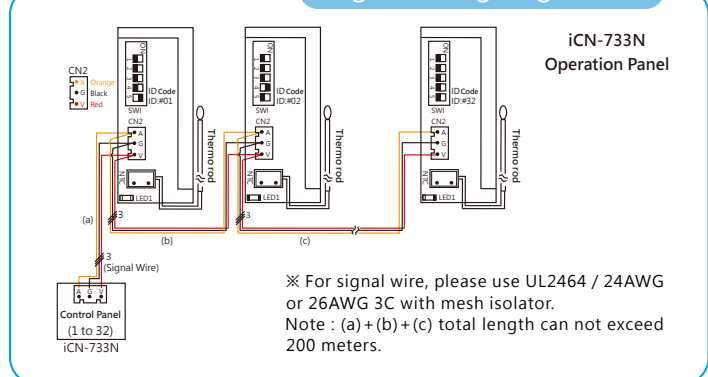### Product Features Description ▶▶

- One panel can support the interlinking control of 32 fan drives (control boxes) with individual operation or group synchronous control function.
- Equipped with key lock function to prevent unauthorized operation.
- Automatic power-off sequential delay recovery function (anti-overload delayed start). When the power is off and the unit was in the on state before the power outage, it will automatically start up in sequence according to the address coding when power is restored.
- Simple and convenient installation: Only three signal wires are required for panel wiring.
- Safety design: Built-in 5-ampere fuse to protect fan motors and circuits.
- Temperature sensing method: Sensing temperature at the air outlet, with a 1.5-meter high-precision temperature sensing wire included.
- Power-off memory (air volume, function mode, set temperature, power on/off status).

System Wiring Diagram ▶▶

Two Pipe

H-NC

CN1

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Low Med High

3 wires 2/3 way valve

2-way / 3-way valve

Chilled water system chain contacts

FAN MOTOR

Cold & warm four-way valve

AC 100~240V 50/60 Hz

(H-NC)
Three-wire valve internal contacts to drive (Two pipe systems to switch cold & warm from the host side. The four-way valve is not installed)

NTC

Air inlet temperature sensor

Main control panel

PWR 01 .... PWR 32

※ "Four Pipe", "1 to 1 Heat / Cool Expansion System", "1 to 1 Cool Expansion System" please refer to instructions.

Signal Wiring Diagram ▶▶

iCN-733N Operation Panel

CN2
Orange
Black
Red

ID Code ID:#01   ID Code ID:#02   ID Code ID:#32

SWI CN2   Thermo rod

(a) (b) (c)

3 (Signal Wire)

Control Panel (1 to 32) iCN-733N

※ For signal wire, please use UL2464 / 24AWG or 26AWG 3C with mesh isolator.
Note : (a) + (b) + (c) total length can not exceed 200 meters.

ID Switch Code Chart ▶▶

■ means ON

ID : #01 ... ID : #32 (switch code chart grid)

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