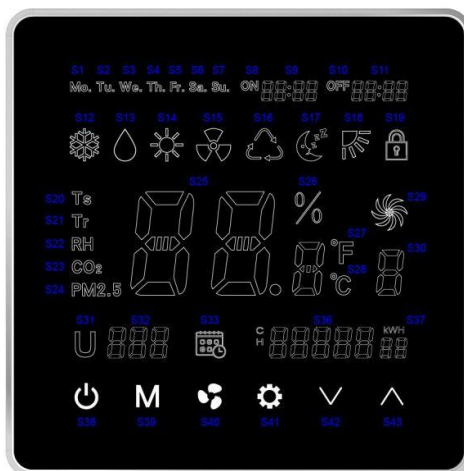




Installation & Operation Manual Wired Wallpad Controller

WWP-V3 STANDALONE



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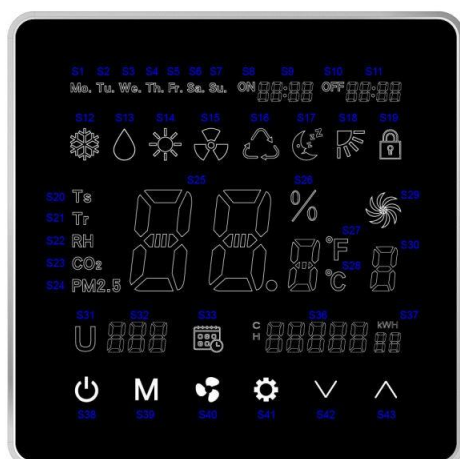
IMPORTANT NOTE:

THIS MANUAL MUST ALWAYS REMAIN WITH THE UNIT. PLEASE READ THIS MANUAL CAREFULLY BEFORE UNIT INSTALLATION, OPERATION OR MAINTENANCE

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1. Features



Our Wired Wallpad is a compact device that allows you to effortlessly control your fan coil.

Designed with a sleek, space-saving profile for easy wall mounting with installation box and intuitively arranged keys to offer quick access to all functions like temperature/mode/fan speed settings.

With Plug-and-play simplicity - connect a single cable to the I-Type control for instant power and communication with the fan coil unit.

This is our **standalone controller**, where you control each main unit's parameter settings and checks individually.

Ideal for large applications with BMS where units need to be controlled independently.

- Programmable 7 days ON/OFF timer
- Touch control screen
- Error display with addressable diagnostics (main unit Wallpad displays secondary unit address & error type)
- Fan, valve, mode and louver swing control
- Key lock & backlight
- Onboard room air temperature sensor
- 16 – 30°C (60.8 – 86°F) temperature setpoint range
- Flame-retardant ABS and aluminum alloy
- Compatible with the PG remote handset for convenient control from a distance

2. Certifications

Our products meet high international standards for safety, performance, and environmental responsibility.

WEEE DIRECTIVE	
	This mark confirms compliance with the Waste Electrical and Electronic Equipment Directive, ensuring responsible recycling and disposal of electronic products. Included within the CE Mark.



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3. Warnings

SAFETY SYMBOLS	
	CAUTION: Important information, read the provided instructions carefully

4. Disclaimers

IMPORTANT NOTE:



THIS MANUAL IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE INFORMATION CONTAINED IS INTENDED TO ASSIST QUALIFIED PERSONNEL IN CORRECT INSTALLATION, OPERATION, AND MAINTENANCE OF THE UNIT. THE MANUFACTURER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY, COMPLETENESS, OR RELIABILITY OF THE INFORMATION PROVIDED.

Modifications and Updates

The manufacturer reserves the right to make changes or updates to this manual without prior notice. It is the user's responsibility to ensure they are using the most current version of the manual. The manufacturer shall not be liable for any errors or omissions in this manual or for any consequences resulting from the use of outdated or incorrect information.

No Warranty

This manual is provided "as is" without any express or implied warranties, including but not limited to warranties of merchantability or fitness for a particular purpose. The manufacturer disclaims any and all liability for any damage or losses arising from the use or misuse of this manual.

5. Safety Information

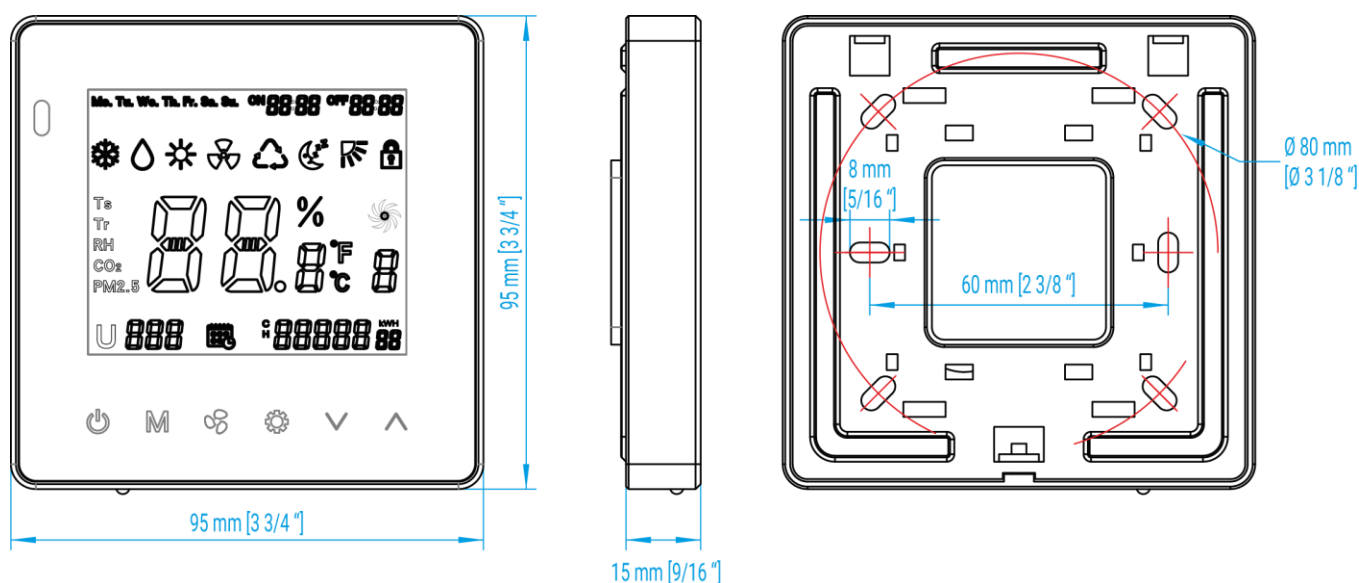
General precautions

- Always adhere to the precautions outlined in this manual and the labels attached to the fan coil unit during installation, maintenance, or servicing.
- Users are responsible for their own safety when operating this appliance.
- This appliance may be used by children aged 8 years and above and by individuals with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, provided they have been adequately supervised or instructed on safe appliance usage and understand the associated hazards.
- Children should be supervised to ensure they do not tamper with the appliance.
- This appliance is designed for indoor use only.
- Verify that the correct power supply is provided for the unit.
- The warranty shall be void if installation instructions and safety precautions outlined in this manual are not strictly followed.
- Keep the Wallpad dry and away from liquids to prevent damage.
- Avoid placing the Wallpad near heat sources or direct sunlight to avoid damage.

6. Code descriptions

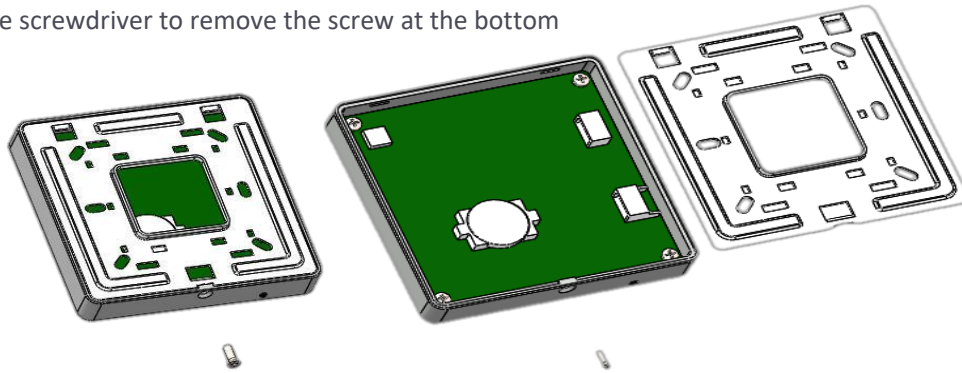
#	Legend	#	Legend	#	Legend
S1	Monday	S16	Auto Mode	S31	Unit address
S2	Tuesday	S17	Sleep Mode	S32	Unit No. / Error code
S3	Wednesday	S18	Swing Mode	S33	Weekly timer
S4	Thursday	S19	LED lock	S34	C-cooling
S5	Friday	S20	Setting Temperature	S35	H-heating
S6	Saturday	S21	Room Temperature	S36	Energy consumption
S7	Sunday	S22	RH (sensor not included)	S37	Energy consumption cycle
S8	Timer-ON	S23	CO2 concentration (sensor not included)	S38	On/Off Button
S9	Timer-ON time (When Timer-ON is off: Current time)	S24	PM2.5 density (sensor not included)	S39	Mode setting
S10	Timer-OFF	S25	Data Display	S40	Fan speed setting
S11	Timer-OFF time	S26	RH percentage	S41	Parameter setting
S12	Cooling Mode	S27	Fahrenheit degree	S42	Up
S13	Dehumidification	S28	Celsius degree	S43	Down
S14	Heating Mode	S29	Fan		
S15	Ventilation Mode	S30	0 - Auto 1 - Low 2 - Medium 3 - High		

7. Dimensions

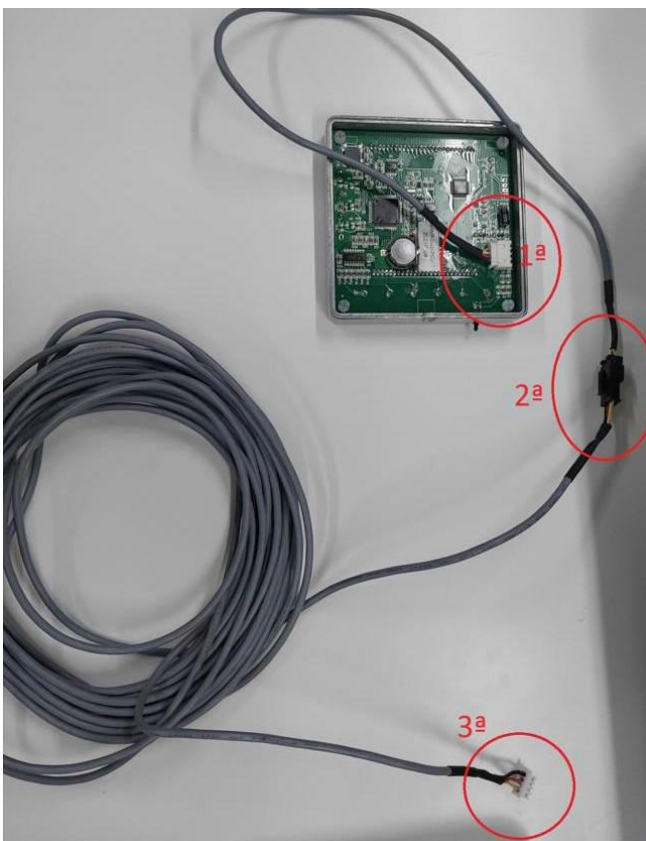


8. Installation

1. Use screwdriver to remove the screw at the bottom



2. Connect the cable (0.7m – 27 9/16”) with the white connector directly to the Wallpad.
3. Put the back plate of the Wallpad back to the original position.
4. Tighten the screw at the bottom.
5. Insert the black connector plug with the extension cord cable (8m – 315”))
6. Connect the white connector from the extension cable to the TTL1 port at the control PCB.



9. User Operation

[S38] – ON/OFF Button

1. Press the  button to turn on. Press it again to turn it off.

[S39] – MODE Button

1. With the Wallpad turned on, press  to select sequentially:
a) Cooling b) Dehumidification c) Heating d) Ventilation e) Auto Mode

[S40] – FAN SPEED Button

1. Press  to change from:
0 = Auto speed 1 = Low speed 2 = Medium speed 3 = High speed

[S41] – TIMER PARAMETER Setting

1. Press  for 5 seconds to set current day, and press  or  to change from Monday to Sunday.
2. Press  for 5 seconds, then short press it once to set the current time. Press  or  to change the time.
3. Press  for 5 seconds, then short press it twice to set the “TIMER ON” function.

The “TIMER ON” function is used to for setting up a specific time or date for the unit to be turned on.

4. Press  to set the day of the week (Monday to Sunday).
5. Press  or  to change the “TIMER ON” time.
6. Press  to turn the “TIMER ON” function on or off, and you will notice that the S8 (TIMER ON LED) appears or disappears.
7. Press  for 5 seconds, then short press it three times to set the “TIMER OFF” function.

The “TIMER OFF” function is used for setting up a specific time or date for the unit to be turned off.

8. Press  to set the day of the week (Monday to Sunday).
9. Press  or  to change the “TIMER OFF” time.
10. Press  to turn the “TIMER OFF FUNCTION” on or off, and you will notice that the S10 (TIMER OFF LED) appears or disappears.

A. Combination button functions

Screen Lock function

- 1) Press  for 5 seconds; S19 appears, and screen is locked.
- 2) Press  for 5 seconds again; S19 disappears, and the screen is unlocked.

Swing function

- 1) Press  for 5 seconds; S18 appears, and the swing is ON.
- 2) Press  for 5 seconds again; S18 disappears, and the swing is OFF.

Sleep mode

1. Press  for 5 seconds; S17 appears, and sleep mode is ON.
2. Press  for 5 seconds again; S17 disappears, and sleep mode is OFF.

10. Installer Operation

[S31] - Unit Address

1. Press  for 5 seconds, then short press it 5 times to set the unit address. U32 will appear.
2. Press  or  to change unit address.

[S41] - Parameter Setting Button

1. Press  for 5 seconds, then short press it 6 times to set unit parameters.

2. On the screen it will appear "U00" and on the right it will show up "0000", which is where you will need to introduce the password to access the parameters.
3. Press **M** to select the number position and press $\wedge$ or $\vee$ to increase or decrease;
 - a. 1111 is a default password for below parameter reading
 - b. 8888 is a default password for below parameter reading and setting
4. After entering the password, press **M** to change the parameter type and press $\wedge$ or $\vee$ to change the parameter setting value.

Below is a list of the parameters shown in S31/S32 and the possible values:

PARAMETER	FUNCTION
"U001"	<u>Used to set unit type:</u> 0 = iAIR Mode: Ventilation T, RH, CO2, PM2.5 are displayed 1 = iFCU Mode: S12, S13, S14, S15, S16, S21 or S20 is displayed 2 = iAHU Mode: S12, S13, S14, S15, S16, S21 or S20 is displayed 3 = iAHU with air cleaner. Mode: S12, S13, S14, S15, S16, T, RH, CO2, PM2.5 are displayed
"U002"	<u>Used to set temperature degree unit:</u> 0 = Celsius degree 1 = Fahrenheit degree
"U003"	<u>Used to select display temperature on LCD:</u> 1 = Setting temperature 0 = Room temperature
"U004"	<u>Used to set the temperature range:</u> 0 = Setting temperature is from 16 – 30°C (60.8 – 86°F). 1 = Cooling setting temperature 24°C (75.2°F), Heating setting temperature 21°C (69.8°F).
"U005"	is used to set the setting temperature band: E 1 - 9°C (33.8 – 48.2°F)
"U006 - U009"	are reserved to set parameters with optional accessories to measure PM2.5 and CO2 values
"U010 - U011"	are reserved
"U012"	is used to set the RH setpoint: 30 – 70% / Default: 50%
"U013"	is used to set RH set band: 10 – 30% / Default: 10%
"U014"	is used to set unit address: 1 – 255 / default: 1
"U015"	is used to set unit ESP with an ESP transducer (if applicable): 0 - 100% / default: 40% * <i>* Only applicable to ranges with S8 PCB Control Boards</i>
"U016"	is reserved
"U017"	<u>Used to set software: (please refer to different PCB)</u> 0 = 2-pipe with valve 1 = 2-pipe without valve 2 = 4-pipe with std valve 3 = 4-pipe with 6-way valve
"U018"	is reserved
"U019"	<u>Used to set DA1 function: When U001=2,3</u> 0 = fan control signal is based on Tr, Ts PID calculation 1 = fan control signal is based on ESP PID calculation
"U020"	is used to calibrate the sensor on the Wired Wallpad: -5 – 5°C (23 – 41°F) / default: -3°C (26.6°F)
"U021"	<u>Used to set the Electric Heater (EH) function:</u> 0 = without EH

PARAMETER	FUNCTION
	1 = EH as booster 2= EH as primary
"U022"	Used to select Tr sensor: 0 = sensor in the WWP 1 = sensor in the PCB
"U023"	Used to display cooling and heating energy consumption: 0 = blank 1 = Energy Consumption parameters are shown: In Cooling & Dehumidification mode = cooling energy consumption is shown In Heating mode = heating energy consumption is shown 2 = Motor running time parameter is shown
"U024"	is used to set low-speed RPM or control signal
"U025"	is used to set medium-speed RPM or control signal
"U026"	is used to set high-speed RPM or control signal
"U027"	is used to set Delta T (ΔT) of Ti1/Ti2
"U028"	is used to set Delta (ΔT) of Ti3/Ti4
"U029"	is used to read unit type
"U030"	is used to read unit model
"U031"	is used to read the unit manufacturing date

11. Error codes

Error description	Code	Reason	Solution
Room temperature sensor error	E1	Room sensor unplugged or damaged.	1. Check if tr plug is connected or not. 2. Check if sensor's resistance is correct.
Indoor coil sensor 1 failure	E2	Ti1 sensor unplugged or damaged.	1. Check if ti1 plug is connected or not. 2. Check if sensor's resistance is correct.
Indoor coil sensor 2 failure	E3	Ti2 sensor unplugged or damaged.	1. Check if ti2 plug is connected or not. 2. Check if sensor's resistance is correct.
Float switch error	E4	The float switch is opened.	1. Check if the condensate water pipe is connected or not. 2. Check if the pump is functioning or not.
Indoor coil low- temperature protection	E5	Water temp. < 3°C (< 37.4°F).	Check the water temperature.
Indoor coil over-heat protection	E6	Water temp. > 70°C (>158°F).	Check the water temperature.
Filter switch protection	E7	Filter switch is open.	Replace or clean filter.
Electric heater failure	E8	Only for units with EH. EH safety switch is opened.	1. Change fan speed to high. 2. Replace the damaged eh safety switch.
EC motor failure (cn4)	E9	No EC motor feedback	1. Check Modbus setting. 2. Check the EC motor.
EC motor failure (cn5)	E10	No EC motor feedback	1. Check Modbus setting. 2. Check the EC motor.
Motor qty setting error (S8 PCB models only)	E11	Motor qty setting error	Check Modbus setting
Anti-freeze protection	E12	When the unit is on standby, tr < 2°C (<35.6°F).	Turn on unit to keep tr high than 5°C (41°F)

Error description	Code	Reason	Solution
Indoor coil sensor 3 failure (S8 PCB models only)	E13	Ti3 sensor unplugged or damaged.	1. Check if ti3 plug is connected or not. 2. Check if sensor's resistance is correct.
Indoor coil sensor 4 failure (S8 PCB models only)	E14	Ti4 sensor unplugged or damaged.	1. Check if ti4 plug is connected or not. 2. Check if sensor's resistance is correct.
Pm2.5 sensor failure (S8 PCB models only)	E15	Pm2.5 sensor unplugged or damaged.	1. Check if pm2.5 plug is connected or not. 2. Check if sensor's resistance is correct.
AQI sensor failure (S8 PCB models only)	E16	AQI sensor unplugged or damaged.	1. Check if AQI plug is connected or not. 2. Check if sensor's resistance is correct.
Wired Wallpad failure	E17	WWP unplugged	Check plugs

12. Maintenance

1. Ensure Wired Wallpad is switched off.
2. Wipe the surface with a soft, dry cloth regularly to remove dust and prevent buildup around buttons or touchscreens. Avoid using harsh chemicals or water as moisture can damage internal components.
3. Inspect wiring connections annually to ensure there are no loose terminals or signs of corrosion.
4. Test all functions (temperature adjustment, fan speed, mode switching) every few months to spot out any unresponsive buttons or display issues.
5. Verify that the controller is accurately reading room temperature. For example, compare it with a separate thermometer.
6. Avoid installing the wallpad in areas of direct sunlight, drafts, or heat sources, as these can affect temperature readings.
7. Ensure the wall it's mounted on is not subject to vibration, which could interfere with internal components.
8. If the display is flickering, buttons are unresponsive, or the unit doesn't communicate with the fan coil, please contact the distributor or representative that the unit was purchased from.
9. During annual fan coil maintenance, ask the technician to include the controller in their inspection checklist.

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We reserve the right to make changes or updates to this manual and the equipment it describes without prior notice. It is the user's responsibility to ensure they are referencing the most current version.

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Users must comply with all applicable local, regional, and national regulations.

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