WIPCOOL®

TWÓJ KLUCZ DO KOMFORTU

OPERATING MANUAL · ENGLISH

P30J

Condenser Misting System

Read this manual before use. Keep it with the unit for its entire service life.



Read the manual
Safety and connection rules before the first start-up.

Service and warranty
Service requests and warranty terms at wipcool.eu.

Documents online
Manual, data sheet and declaration of conformity at wipcool.eu.

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How to use this manual

Find the chapter you need. The numbers on the right are the pages of this booklet.

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MEANING OF SYMBOLS



Separate collection of WEEE

Do not dispose of used equipment with household waste.



CE marking

Manufacturer's declaration of conformity with EU requirements.



Read the manual

Safety and operating rules before starting work.

Wipcool P30J user manual

The Wipcool P30J Condenser Misting System cools air conditioner outdoor units with a water mist. The controller supplies pressurised water to five nozzles and controls misting based on temperature and the current sensor signal.

The user manual is an integral part of the product. Please read this manual carefully and follow all instructions closely.

General information

Wipcool products are designed for professional use by qualified air conditioning and refrigeration engineers. As the manufacturer, Wipcool stipulates that our equipment should only be operated by appropriately qualified and trained personnel.

- Comply with all local safety regulations and general safety standards when using the Wipcool P30J Condenser Misting System.
- The user manual should be kept near the device so that personnel can easily access it at any time.
- Before use, qualified personnel should read the user manual carefully and understand all the instructions it contains.
- The manufacturer accepts no liability for any damage resulting from improper use, failure to follow the user manual, insufficiently qualified personnel or any unauthorised modifications to the device.
- The general terms of sale contained in the sales documents apply.

Symbols and conventions

Signs and markings used on the device and in the manual:

01



Hazardous voltage - risk of electric shock.

02



Notice - risk of damage to the device or an incorrect result.

03



Do not dispose of the device with household waste.

Safety information

WARNING

Disconnect the power supply to the P30J and the air conditioner before installation, maintenance or servicing. Only carry out electrical work if you are appropriately qualified.

- Sand and sediment in the water block the nozzles, so use a pre-filter. If necessary, use soft, purified water.
- Ensure an inlet water pressure of 2–8 bar. If the pressure is below 2 bar, use a booster pump.
- Do not use the device or accessories if damaged. If damage occurs, stop using them. Have them repaired by the service centre - submit a service request at wipcool.pl/serwis.
- Before disconnecting the water lines, shut off the water supply and release the pressure.

Technical specifications

Parameter	Value
Model	P30J
Power supply	230 V~ / 50–60 Hz
Inlet water pressure	2–8 bar
Water consumption with five nozzles	18–53 l/h
Operating ambient temperature	0–50 °C
Enclosure protection rating	IP54

Parameter	Value
Power cable length	1.3 m
Control cable length	2 m
Outlet hose length	5 m
Controller dimensions (W × H × D)	184 × 126 × 68 mm

Water consumption with five nozzles

Inlet water pressure [bar]	Water consumption [l/h]
2	18
4	33
6	44
8	53

Device diagram

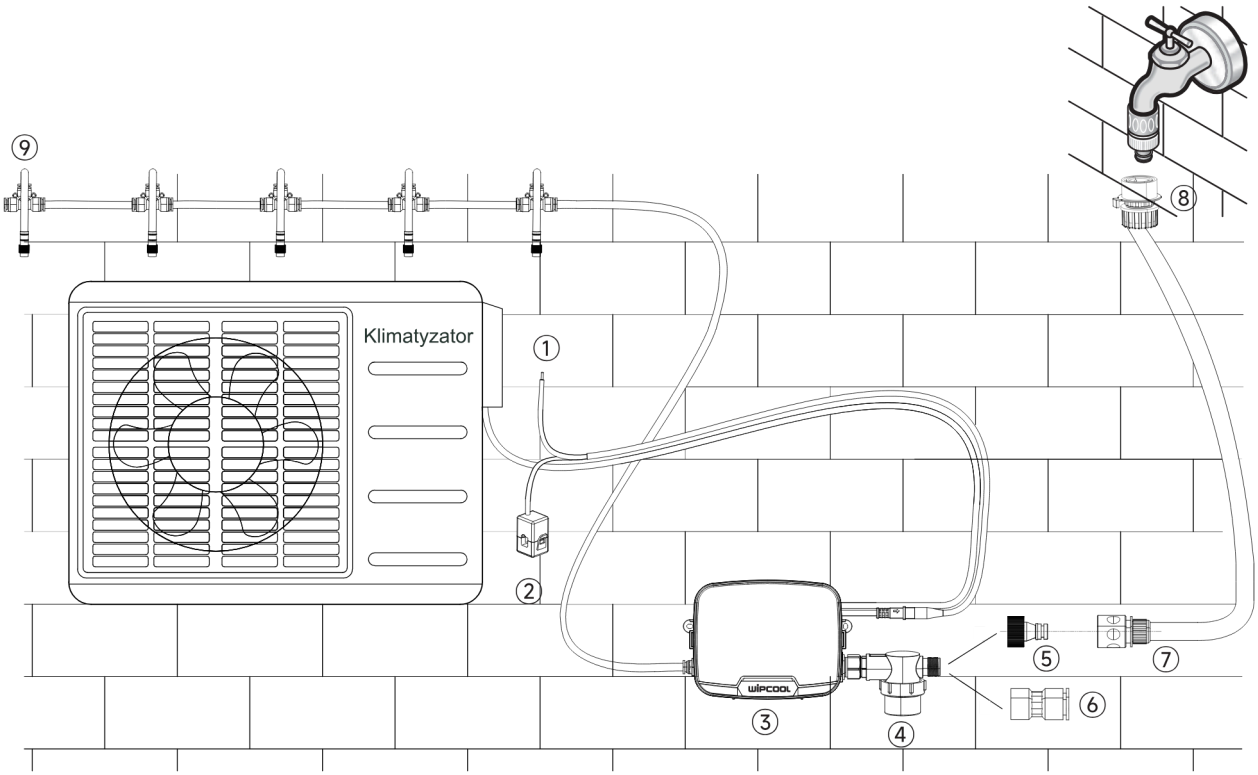


Figure 1. Example arrangement of the misting system components.

No.	Name
1	Temperature sensor
2	Current sensor
3	Misting controller
4	Pre-filter
5	1/2" PT female threaded connector
6	20 mm pipe connector
7	1/2" garden hose quick-release coupling
8	1/2" tap connector with seal
9	Adjustable misting nozzles

Controller dimensions

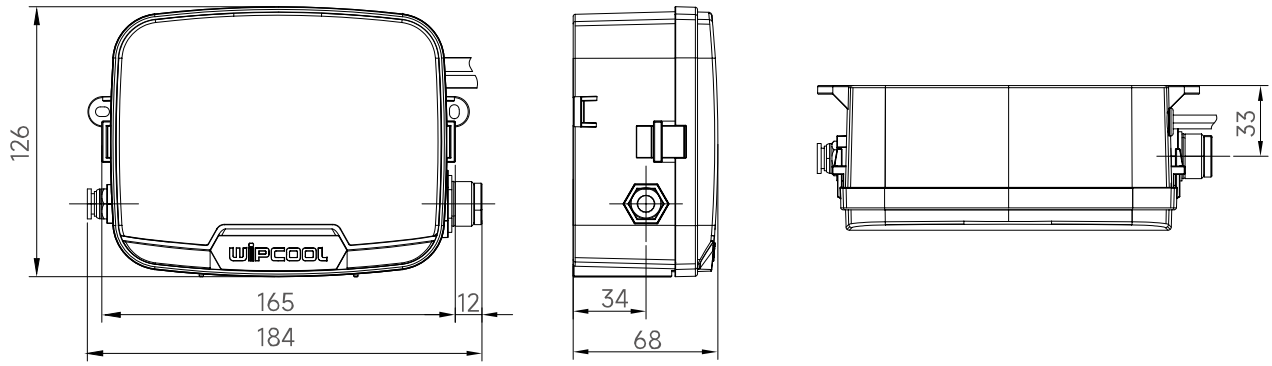


Figure 2. Controller dimensions in mm.

Package contents

After unpacking, check that the set is complete and in good condition. Report any missing or damaged items to the seller.

Item	Quantity
P30J controller with temperature and current sensors	1 set
1/2" PT female threaded connector	1 pc.
1/2" garden hose quick-release coupling	1 pc.
Rotating nozzle with tee, 20 cm	4 pcs.
20 mm pipe connector	1 pc.
1/2" tap connector with seal	1 pc.
End rotating nozzle adjustable in two directions, 20 cm	1 pc.
5 m outlet hose	1 pc.
Pre-filter	1 pc.
Mounting plate	1 pc.
Plastic wall plug	2 pcs.
Screw	2 pcs.
User manual	1 pc.

Installation

Mounting the controller

01 Select a mounting location and drill 6 mm diameter holes.

02 Attach the mounting plate to the wall and secure the controller.

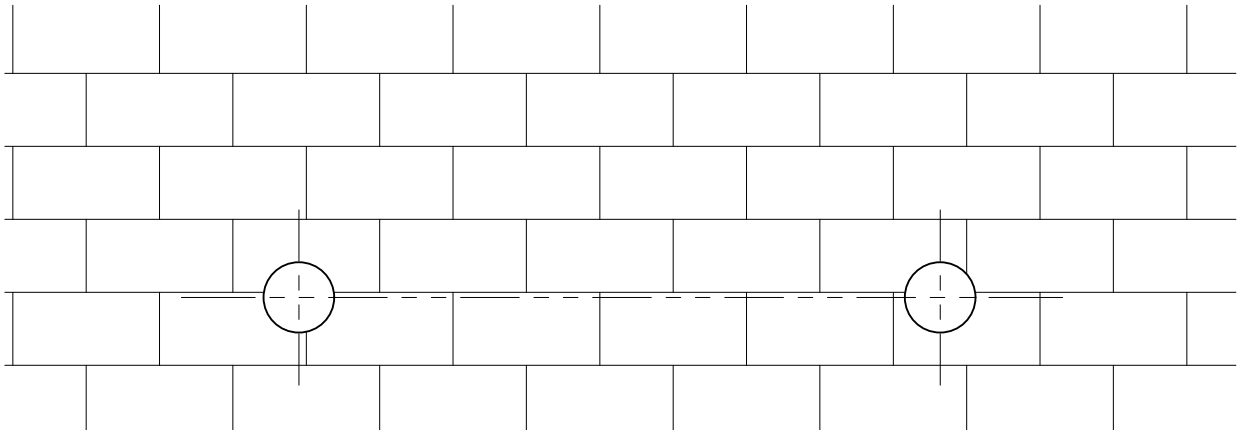


Figure 3. Mounting holes for the plate.

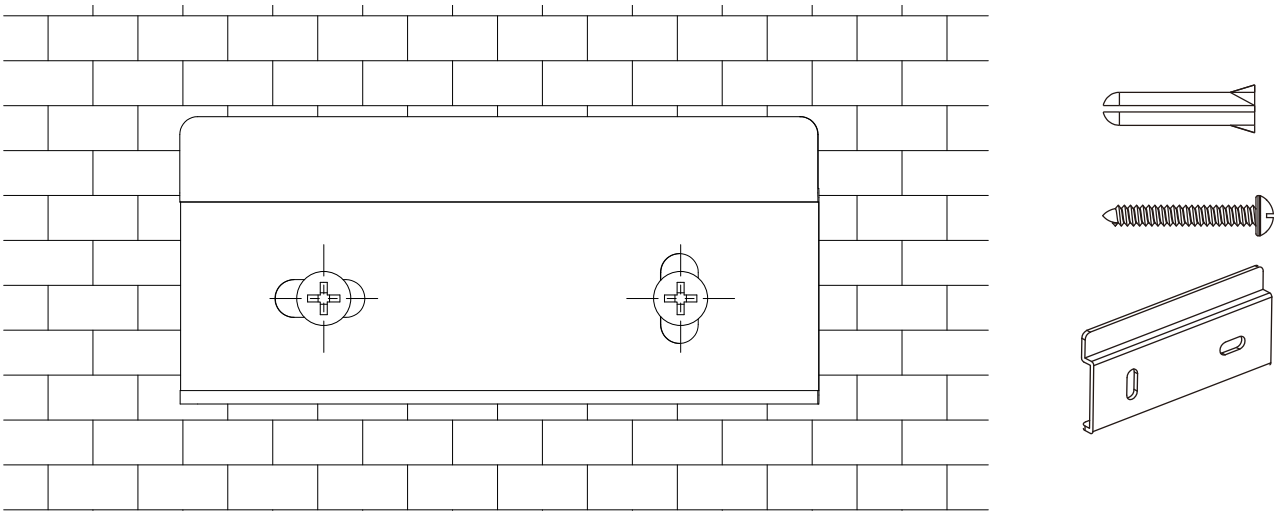


Figure 4. Fixing the plate to the wall.

Water supply and nozzles

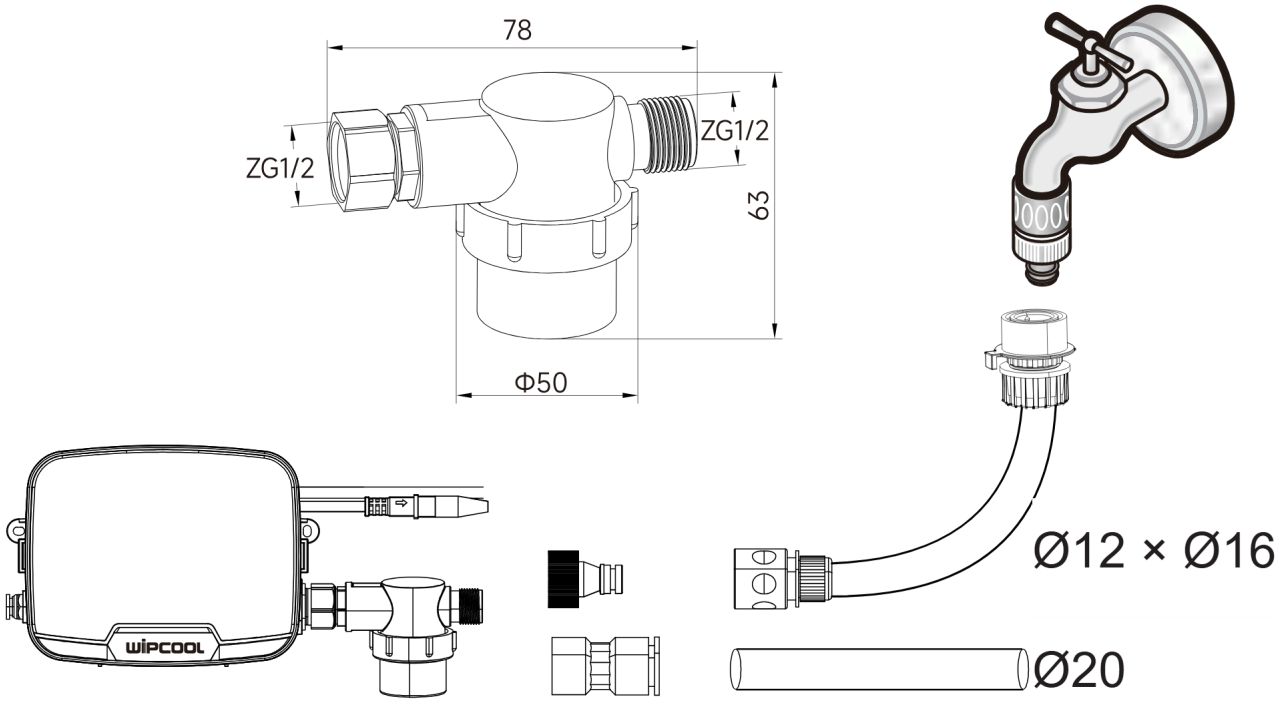


Figure 5. Pre-filter and connection options: Ø12 × Ø16 mm hose or Ø20 mm pipe.

01 Select the connector for a Ø12 × Ø16 mm hose or a rigid Ø20 mm pipe.

02 Install the pre-filter upstream of the controller and connect the water supply.

03 Connect the controller outlet to the 5 m outlet hose and the set of five nozzles as shown in figure 1.

Connection

Power supply

WARNING
Make the connection with the power supply disconnected.

CAUTION
An incorrect connection may damage the controller. Check that the voltage matches the rating plate.

Connect the P30J power cable to the appropriate L (live), N (neutral) and PE (protective earth) terminals of the air conditioner outdoor unit, in accordance with the markings and the unit documentation.

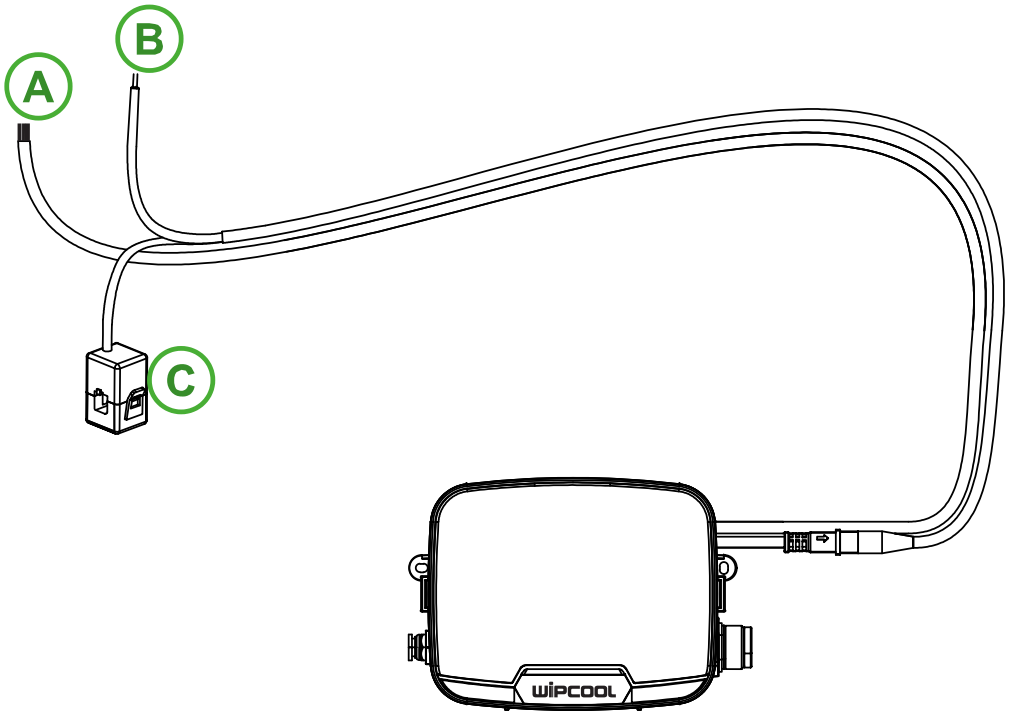


Figure 6. Controller connections: A - L/N/PE power supply, B - NTC 10 kΩ temperature sensor, C - current sensor.

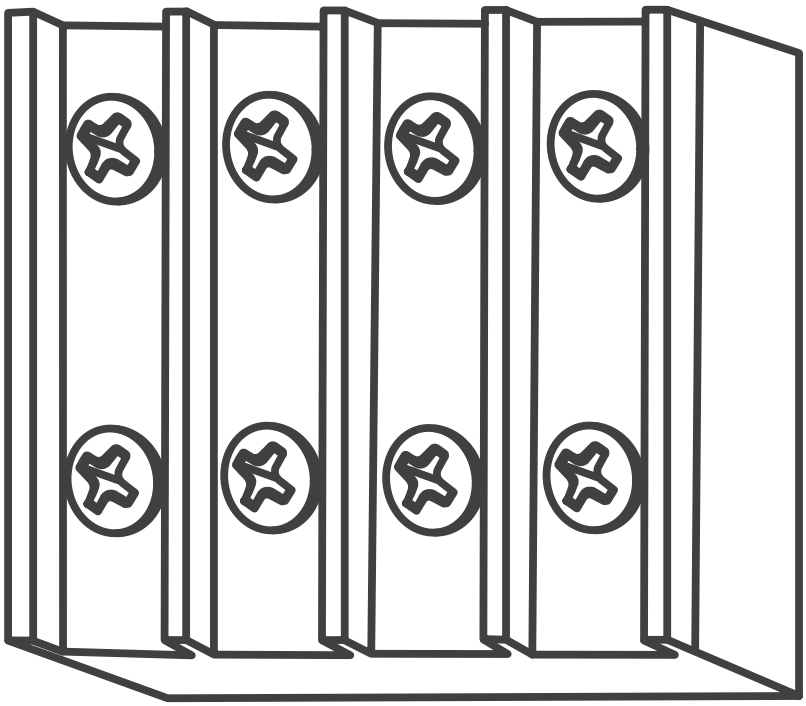


Figure 7. Example of an outdoor unit terminal block.

Temperature sensor

Place the NTC-10K (10 kΩ) temperature sensor on the fins of the outdoor unit coil. Choose a location where water from the nozzles will not fall directly onto it.

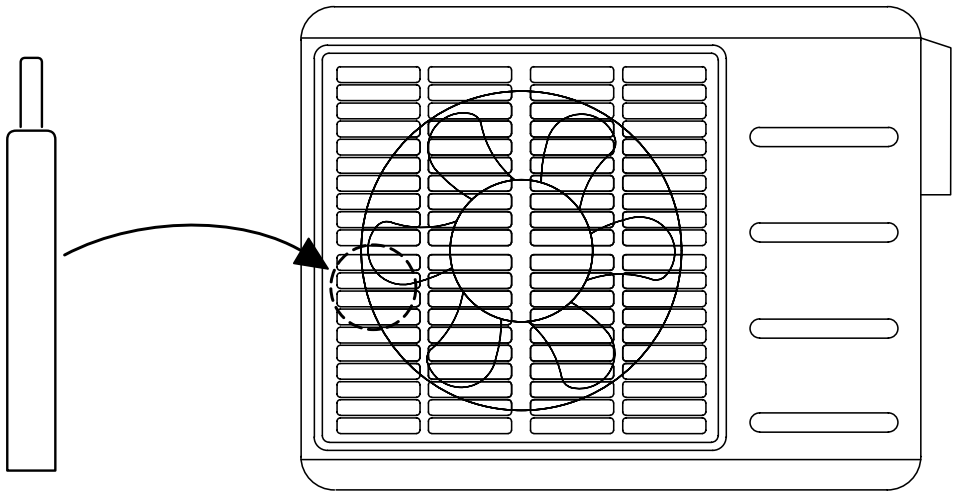


Figure 8. Temperature sensor and mounting location on the outdoor unit coil.

Current sensor

Open the current sensor, place it around a single L live conductor and close it, as shown in figure 9. Do not place it around the entire multicore cable.

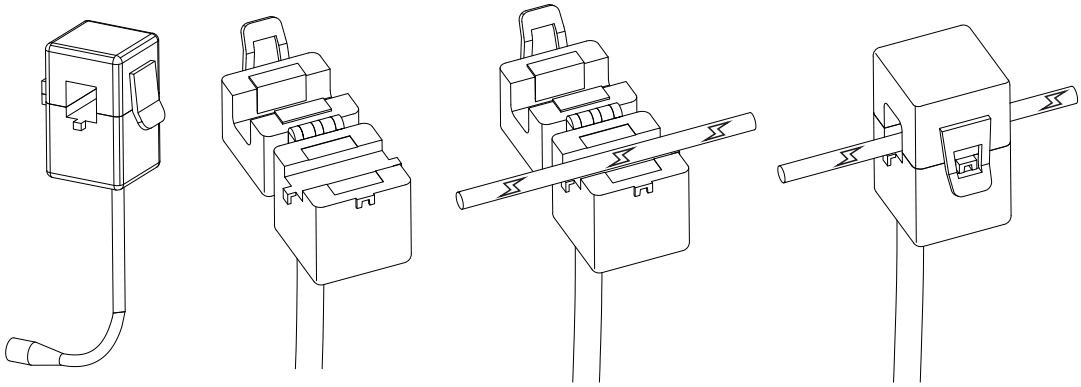


Figure 9. Opening, fitting and closing the current sensor.

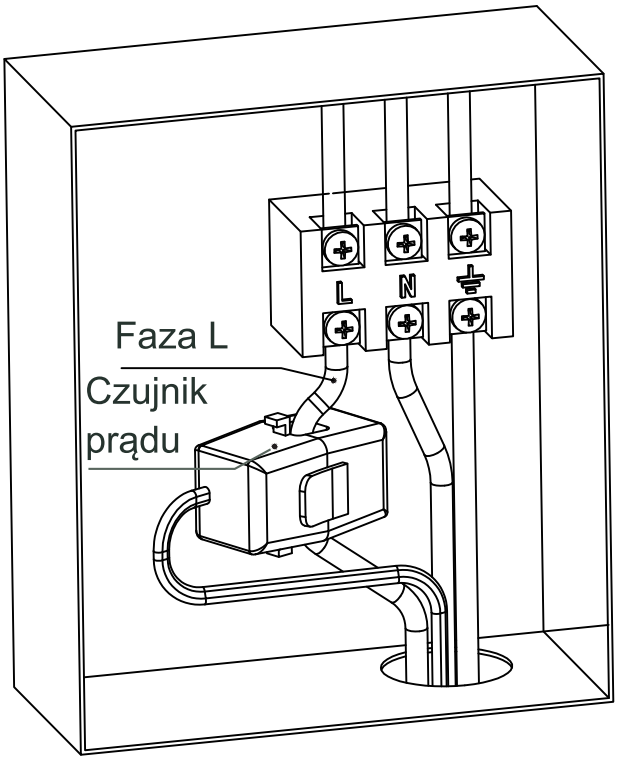


Figure 10. Example of the sensor fitted around an L live conductor in the air conditioner junction box.

Operation

Panel and settings

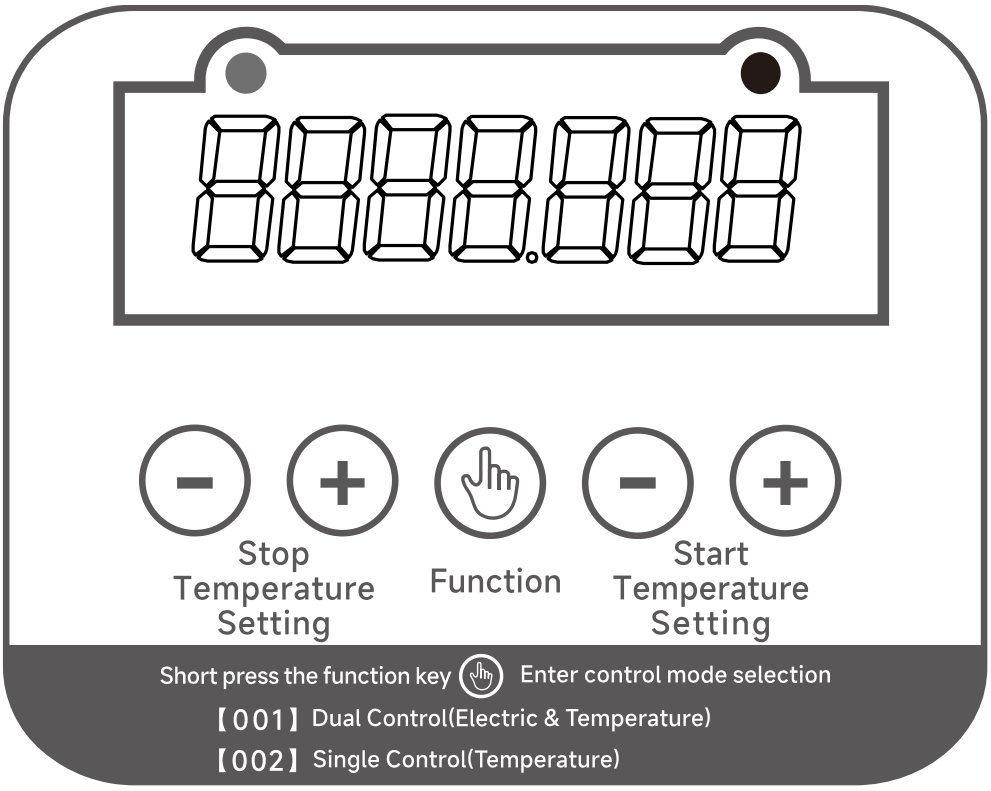


Figure 11. Controller panel.

Panel item	Function
Function	A short press selects the control mode.
Left - / + buttons	Stop Temperature Setting - adjusts the temperature at which operation stops.
Right - / + buttons	Start Temperature Setting - adjusts the temperature at which operation starts.
Green indicator	Power is on.
Red indicator	Misting is active.

Set the misting start temperature higher than the stop temperature. Example settings: start 40 °C, stop 30 °C.

Mode 001 - temperature and current

Misting starts when the temperature exceeds the set start threshold and the current sensor detects that the air conditioner is running. When the temperature falls to the stop threshold, the system stops misting and enters standby.

Mode 002 - temperature only

Misting starts when the temperature exceeds the start threshold and stops when it falls to the stop threshold. This mode depends solely on the temperature measurement and can operate when the air conditioner is switched off.

Start-up

01 Check the electrical connections and make sure the covers are closed. Open the water supply and check the connections for leaks.

02 Switch on the P30J power supply. Select the operating mode and set the misting start and stop temperatures.

Checking operation

01 Start the system in the selected mode. Check that misting starts automatically and that all five nozzles spray evenly and direct the mist correctly. Water must not flood electrical components or the surrounding area.

02 Observe the panel readings, check the connections for leaks and check the temperature sensor position. The sensor must not be cooled directly by the mist; in mode 001, also check that the system detects the air conditioner running.

03 When the stop temperature is reached, check that misting stops. Repeat the test and record the mode, settings and result.

If a leak occurs or the system does not start or stop misting correctly, stop the test, disconnect the power supply and shut off the water supply. Release the pressure before correcting the connections. Check the current sensor position and the connections.

Stopping

Disconnect the P30J power supply and shut off the water supply. Release the pressure before disconnecting the lines.

Maintenance

> **WARNING**
> Disconnect the power supply to the P30J and the air conditioner before inspection and cleaning. Shut off the water supply and release the pressure before unscrewing system components.

Before each maintenance procedure, check the device and its components for damage.

Cleaning the pre-filter and nozzles

01 Every 3 months, remove the pre-filter mesh and clean off any deposits that could restrict flow.

02 If a nozzle sprays poorly, unscrew it and check for debris inside. Clean the nozzle; do not drill out its opening.

03 After reassembly, open the water supply and check for leaks, then switch on the power and check the spray and automatic stopping.

Frost protection

Insulate the inlet and outlet lines, pre-filter and accessories exposed to frost. Freezing may cause them to crack and leak water.

Troubleshooting

WARNING

Disconnect the power supply to the P30J and the air conditioner before checking connections, disconnecting lines or cleaning. Shut off the water supply and release the pressure.

Problem	Possible cause	Solution
Red indicator is on, but no water comes out of the nozzles	Blocked pre-filter mesh	Remove and clean the pre-filter mesh.
Red indicator is on, but no water comes out of the nozzles	No pressure in the inlet line	Check why the water supply has been cut off and restore it.
Red indicator is on, but no water comes out of the nozzles	Blocked nozzle	Unscrew the nozzle and remove the debris.
Leak at a water line connection	Excessive pressure	If the inlet pressure exceeds 8 bar, reduce it to 2–8 bar.
Leak at a water line connection	Incorrectly assembled connection	Check the seals and reassemble the connection.
Poor spray	Blocked pre-filter mesh	Remove and clean the pre-filter mesh.
Poor spray	Inlet pressure below 2 bar	Install an additional booster pump. The pressure must not exceed 8 bar.
Continuous misting	Incorrectly installed temperature sensor	Place the temperature sensor on the outdoor unit coil fins, away from the direct water spray.
Continuous misting	Stop temperature too low	Reset the stop temperature. Recommended setting: 30 °C.
Device does not start	Incorrectly installed temperature sensor	Place the temperature sensor on the outdoor unit coil fins, away from the direct water spray.
Device does not start	Start temperature too high; unit temperature has not reached the threshold	Reset the start temperature. Recommended setting: 40 °C.

Waste electrical and electronic equipment

01



The crossed-out bin symbol means that the device must not be disposed of with other waste at the end of its life.

Under applicable regulations on waste electrical and electronic equipment, products marked with the separate collection symbol must not be disposed of with other municipal waste. Due to their hazardous substance content, electronic products that are not collected separately may be harmful to the environment and human health. Proper separate collection of waste electrical and electronic equipment prevents adverse effects on the environment.

By taking waste equipment to a collection point, the user contributes to its reuse, recycling and recovery.

Recycling - one method of protecting the environment. The process of recovering substances from waste that can be reused as raw materials.

Waste recovery - the use of waste that has lost its useful value, such as plastics, paper and cardboard, as secondary raw materials; the term is also commonly used to mean destruction.

Information about the waste electrical and electronic equipment collection system

- Waste electrical and electronic equipment must not be disposed of with other waste.
- The collection of incomplete electrical and electronic equipment and parts from waste equipment is prohibited.
- A distributor delivering equipment intended for households to a purchaser is obliged to collect waste household equipment free of charge at the place of delivery, provided that the waste equipment is of the same type and performs the same function as the equipment delivered.
- The user may hand over waste equipment to a waste equipment collector, a treatment facility or a municipal waste collector operating in the municipality.
- Information about collection points is available on the BIP websites of regional, city and municipal authorities.

Service and documents

Before submitting a service request, prepare:

- Model - shown on the device rating plate and the invoice.
- Serial number - if absent, provide the production number (e.g. 11/2025), usually found on the underside of the device.
- Proof of purchase - an invoice or receipt from an authorised distributor.
- Description of the fault - what is happening, when it started and under what conditions.

Submit a service request at wipcool.pl/serwis. You will also find the warranty terms there.

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SERVICE AND DOCUMENTS

P30J · Operating manual

EDITION DETAILS

Model	**P30J**
Edition	**05.11.2026 · EN**
Manufacturer	**Zhejiang Wipcool Refrigeration Equipment Co., Ltd.**
Authorised representative	**4REF sp. z o.o., ul. gen. Władysława Andersa 38, 15-113 Białystok**

wipcool.eu

- online manual and other languages
- data sheet and declaration of conformity
- service and requests

CE

The CE marking confirms the declared conformity with EU requirements.
Crossed-out bin: do not dispose of used equipment with household waste.