



Climate Control

Introduction

Congratulations with your purchase of the Climate Control controller. With this controller you can improve the temperature regulation and efficiency of your heat pump. This control module controls one indoor unit only.

Package content

- 1x Control module
- 1x Wireless temperature sensor
- (Optional) outdoor temperature sensor

Installation

The module connects to your CN105(Mitsubishi Electric) or CNS(Mitsubishi Heavy Industries) port. Please consult the installation manual of your heat pump to find the location of the port on the indoor unit. Make sure to power down the heat pump before disassembling the indoor unit and installing the control module. It's best to keep the front panel of the indoor unit removed while doing the first setup so you can check the status LED. Make sure to power down the heat pump before putting it back together again.

Mitsubishi Electric:

Many units already have a wifi module connected to the Mitsubishi MelCloud app. You can keep this module installed and use the MelCloud app. The CN105 port is an unused port. The connector is coloured red on most units. The climate control module can be hidden in the electronics compartment.

Mitsubishi Heavy Industries:

Most units have only one CNS port. Connect the control module to this port and then connect the original wifi module to the available port on the control module.

Web interface

The control module has a basic web interface that you can use to:

- Read the current status of the indoor unit
- Change the controls (on/off, temperature, vane, etc)
- Pair wireless temperature sensors
- Read the temperature history
- Setup a wifi connection

First time setup

The first time you boot up the module you need to pair the wireless temperature sensor and (optionally) set the WiFi credentials. You can do this through the web interface. Wait until the LED is solid Green/Yellow. Then connect with the module over WiFi. Search for a network named HeatPump_xxxxxxx. The password is: 'connecttodevice'. Go to 10.0.0.1 in your browser for the web interface.

If you only want to use the wireless temperature sensor and not use the web interface or connect the module to a home automation set, you don't need to setup the WiFi credentials. However, this also means that you will not receive firmware updates automatically.

When you typed in the wrong WiFi credentials or the module is unable to connect to your network, it will automatically act as a WiFi hotspot after about 30 seconds. You can then try again by connecting the HeatPump_xxxxxxx and then go to 10.0.0.1 to change the settings.

Wireless temperature sensor placement

Place the wireless temperature sensor near your seating area. You can use double sided tape to put it on a wall or you can place it on a table. Try not to put it directly into the stream of hot air.

This way the sensor can read the temperature the most accurate and this will result in a

more stable room temperature.

Wireless temperature sensor pairing

When the sensor is not paired with the control module, you can do so through the web interface. Click the “gear & wrench” icon at the bottom of the page. Place the temperature sensor on top of the control module. Then click “Scan..”. The module will scan for the sensor and flash it’s LED yellow. When it finds the sensor or after 30 seconds the LED will turn solid green again. Refresh the page and check the temperature to see if the pairing was successful. Updating the temperature can take up to 20 seconds. If the sensor hasn’t been found, try again.

Home automation

The control module supports home automation over HTTP GET and MQTT.

HTTP GET Commands:

Command	Type	URL	
Sensor pairing(indoor)	SET	http://xxx.xxx.xxx.xxx/config?type=BLE1	Pair included sensor
Sensor pairing(outdoor)	SET	http://xxx.xxx.xxx.xxx/config?type=BLE2	Pair optional outdoor sensor
Historic temperature/humidity	GET	http://xxx.xxx.xxx.xxx/historicdata	Get historic temperature data
Power	SET	http://xxx.xxx.xxx.xxx/config?power=ON	Turn unit ON/OFF
Mode(cool, dry, fan, auto, heat)	SET	http://xxx.xxx.xxx.xxx/config?mode=heat	Set mode
Temperature	SET	http://xxx.xxx.xxx.xxx/config?temperature=21	Set temperature
Fan	SET	http://xxx.xxx.xxx.xxx/config?fan=3	Change the fan speed
Vane	SET	http://xxx.xxx.xxx.xxx/config?vane=auto	Vertical vane direction
Wide vane	SET	http://xxx.xxx.xxx.xxx/config?widevane=1	Horizontal vane direction
Status	GET	http://xxx.xxx.xxx.xxx/config	Get the status of all above settings in JSON format