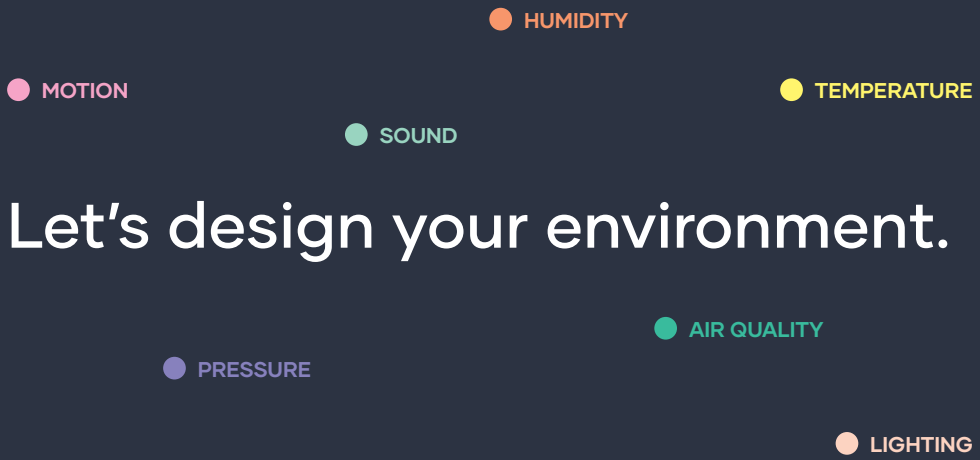
Milieu Climate®

ADAPTER KIT

Welcome to **Milieu Climate®**


HUMIDITY
MOTION
TEMPERATURE
SOUND
Let’s design your environment.
AIR QUALITY
PRESSURE
LIGHTING

Congratulations
on choosing Milieu!

The Milieu Climate® is more than just a smart thermostat. It allows you to design your environment by controlling the room temperature and monitoring air quality, humidity, pressure, sound, lighting and motion.

With its built-in sensors and practical portability, you can maximise your comfort and your energy savings all in one step.

Please read the following manual carefully as it contains all necessary instructions needed to wire up and install your new thermostat with a brand adapter kit.

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# What can Milieu Climate® do?

### TEMPERATURE

Control your environment with the perfect level of heating or cooling wherever you are in your home.

### HUMIDITY

Track humidity levels and use the Dry Mode to remove moisture and increase comfort.

### AIR QUALITY

Monitor the health of your home and detect if the air quality in a room is poor, fair, good or great.

### PRESSURE

Identify pressure levels in your home and surroundings with the Milieu Climate's® barometric sensor.

### SOUND

Monitor the sound levels in your room for ultimate relaxation and concentration.

### LIGHTING

Identify ideal lighting levels for your day-to-day activities and be reminded when lights have been left on.

### MOTION

Improve energy efficiency with the Milieu Climate's® motion sensors. It detects if someone is in the room or not and adjusts the temperature accordingly.

### ENERGY SAVINGS

Get the right amount of heating or cooling wherever you are in your home to conserve energy.

### MOBILE APPLICATION

Control your environment anywhere, anytime using the Apple or Android mobile app. Use voice control with Google Assistant or Amazon Alexa.

# Safety information.

### ⚠ WARNING

Please read the safety information carefully before installing the air conditioning equipment and be sure to install it correctly. Improper installation may result in electric shocks or fire.

### ⚡ WARNING: RISK OF ELECTRIC SHOCK

When installing the Milieu Adapter Kit, you will come across high voltage wiring. Professional installation recommended. Always perform installation work with the power supply shut-off. Touching energised electric parts causes an electric shock. Installation of the Adapter Kit without performing safe protocol provided throughout the manual, could result in injury or fatality.

Follow the relevant local and national codes and regulations when installing the Adapter Kit. Use a qualified installer, if required for working on high voltage. Make sure connections are properly secured and wiring is as per local codes.

It is the users responsibility to ensure they have a compatible system. Use with incompatible systems can cause damage to the thermostat and fire.

**Do not disassemble or try to repair any component in the Adapter Kit.**

For more information or concerns, visit milieulabs.com.au or email us at support@milieulabs.com.au

# System compatibility.

If you have a non-communicating system, follow the instructions within the Milieu Climate® installation manual.

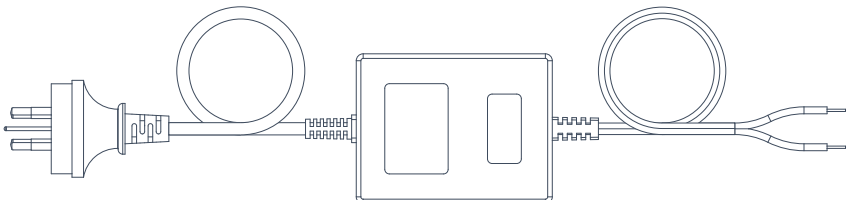
Milieu Climate® works with communicating systems from major manufacturers.

**WORKS WITH**

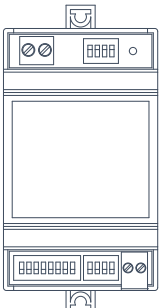
- Daikin
- Fujitsu
- Hitachi
- LG
- Mitsubishi Electric
- Mitsubishi Heavy
- Panasonic
- Samsung
- Toshiba

For more information and to check compatibility of your particular model, visit milieulabs.com.au or email us at support@milieulabs.com.au

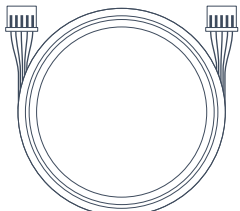
# What's in the box?



24VAC Adapter



Intesis Box

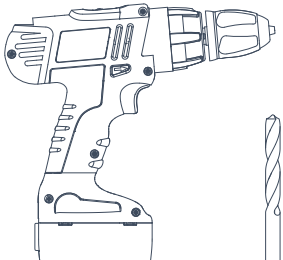


AC Cable

May look different depending on your Adapter Kit. (Not supplied with all kits)

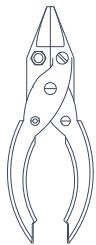
Wire Connectors

# Other things you might need.

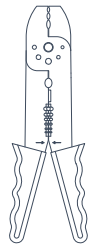


Drill

Drill Bit
(14mm)



Parallel
Pliers



Wire
Strippers

Screwdriver

Pencil

# Where to install?

Make sure the Smart Base, if installed in the roof, is accessible for the user to manually change modes or put the Milieu Climate® into override mode to force cooling or heating.

Make sure all components of the Adapter Kit are in a serviceable location.

Make sure to install at least 1m away from the roof line to avoid excess heat.

Do not install thermostat / control cables alongside 240v cables for long runs.

# Distance between Hub and Smart Base.

To ensure there is a good wireless connection between the Hub and the Smart Base, make sure the distance between the two is not more than 10m. The presence of walls and objects can affect the performance of the connection between the devices.

If you are using the thermostat away from the Smart Base, make sure it has enough battery power or is connected to a USB charger.

The Hub can be used on battery power for up to 30 minutes, depending on the usage.

SMART BASE
WITH COVER
HUB
10m maximum for best wireless connection
WALL PLUG
(Not provided)

# Wiring diagram and commissioning notes.

Each air conditioner manufacture connects to the Adapter Kit and Milieu Climate® Smart Thermostat in a specific way. We have provided wiring diagrams and commissioning notes for the most common AC systems.

18 Daikin.

24 Fujitsu.

30 Hitachi.

36 LG.

48 Mitsubishi Electric.

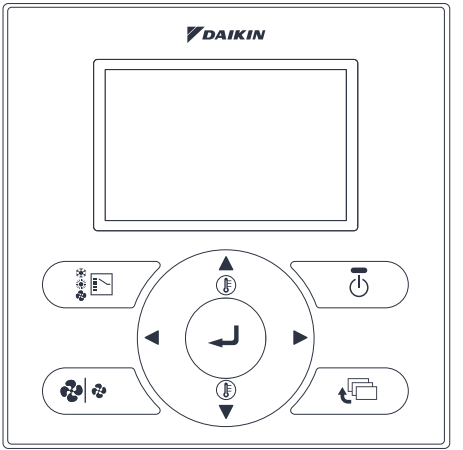
54 Mitsubishi Heavy.

62 Panasonic.

70 Samsung.

82 Toshiba.

# Daikin.




Your Daikin
controller may differ
from the picture.

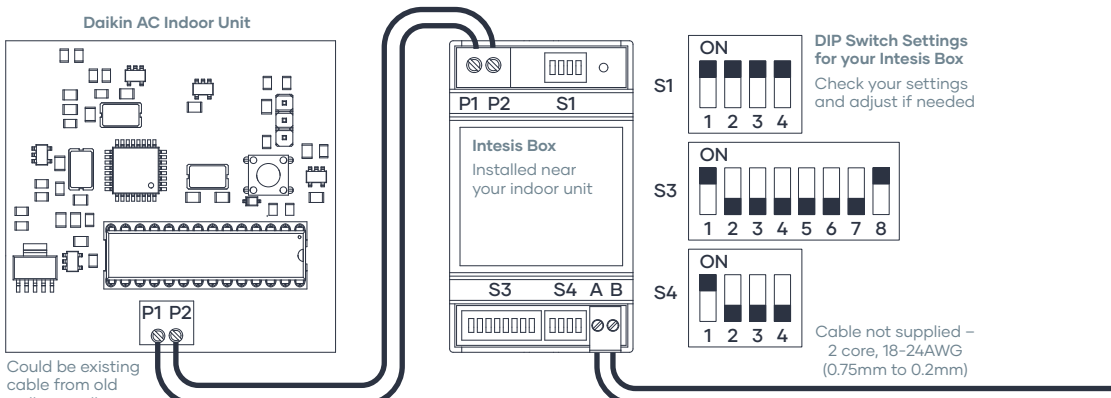
1. Go to Field settings on your wall control. Refer to your wall control installation manual that came with your Daikin air conditioner to find out how to make changes to the Field settings.

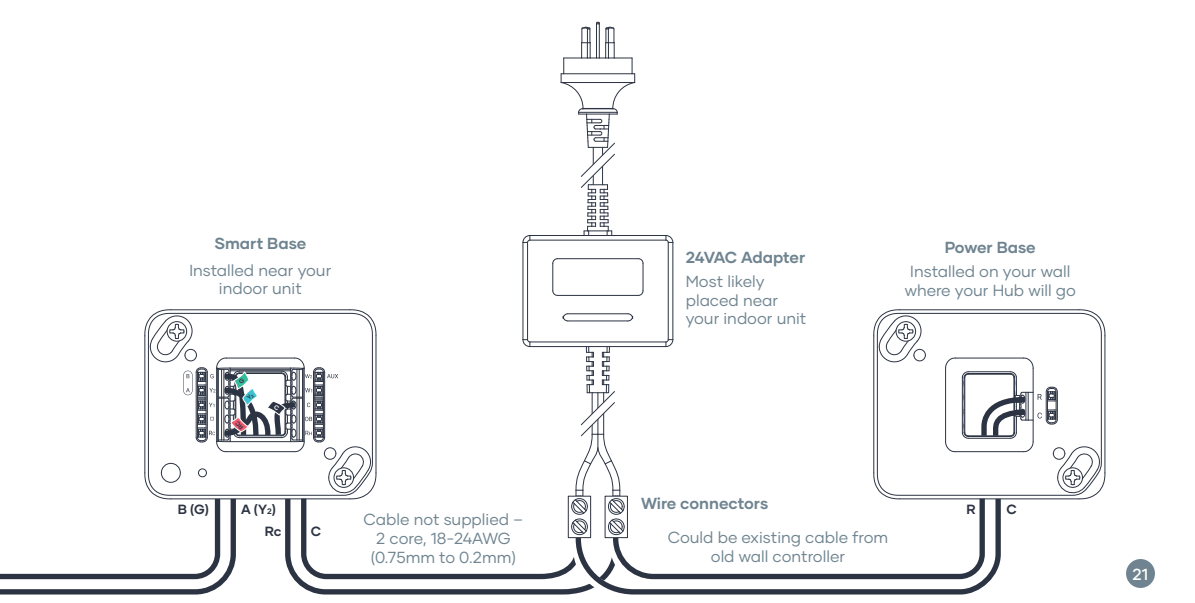
   In the Field settings, find Mode No. 20 shown as 10(20) in the manual, go to code 2 and change its value so **'Remote controller sensor only'** is selected. This will be either 01 or 03 depending your wall controller model.

| Mode | 20 | First Code | 2 | Value | 01 or 03 |
|---|---|---|---|---|---|

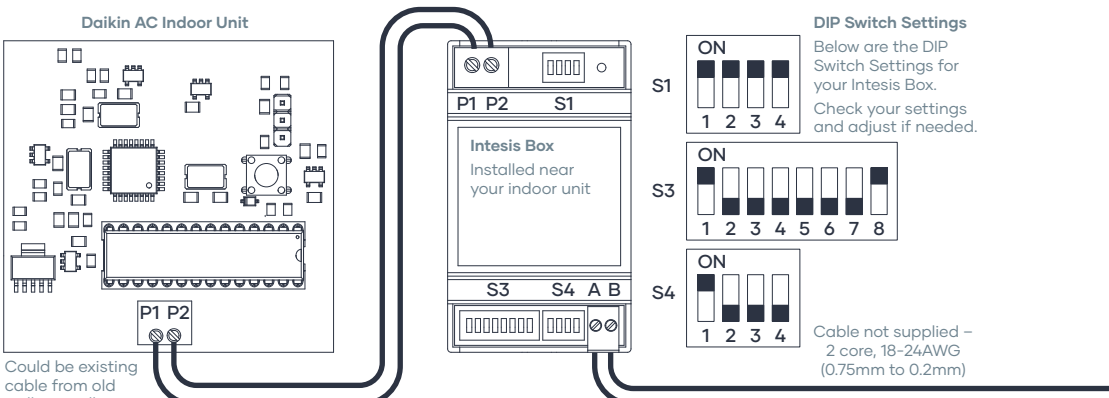
2. Save the changes you have made and exit the Field settings.

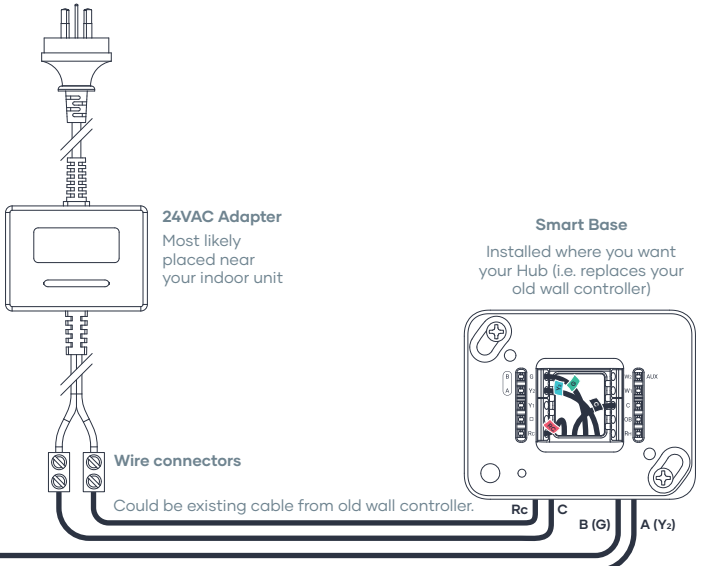
# Daikin wiring diagram — Smart Base and Power Base.




Smart Base
Installed near your indoor unit
24VAC Adapter
Most likely placed near your indoor unit
Power Base
Installed on your wall where your Hub will go
AUX
R
C
B (G)
A (Y2)
Rc
C
Wire connectors
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Could be existing cable from old wall controller
R
C

# Daikin wiring diagram — Smart Base only.




24VAC Adapter
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)

# Fujitsu.

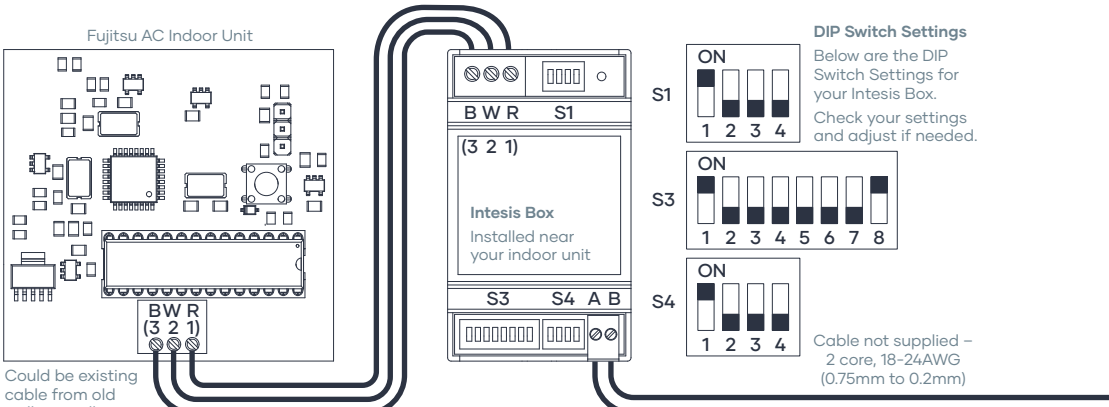
Your Fujitsu
controller may differ
from the picture.

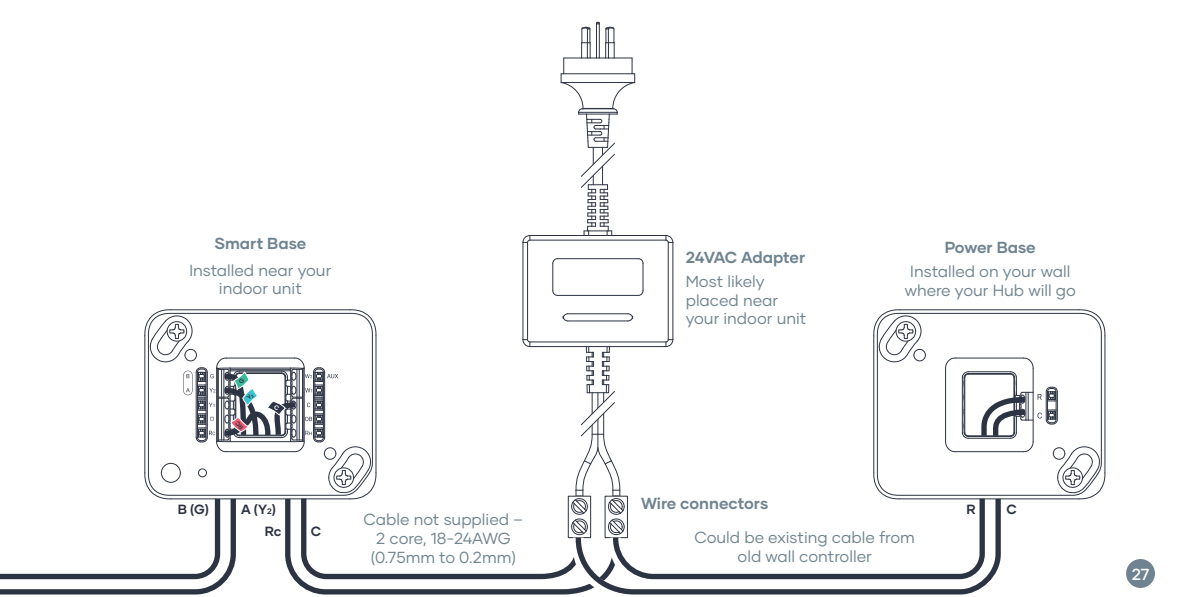
1. Navigate to Service screen on your wall control. Refer to your wall control installation manual that came with your Fujitsu air conditioner to find out how to make changes in Service screen.
2. In Service screen, navigate to Function settings.
3. In Function settings, navigate to Function number 42 and set the value of setting number as 01 for using **Remote Controller sensor**.

| Function no. | 42 | Setting no. | 01 |
|---|---|---|---|

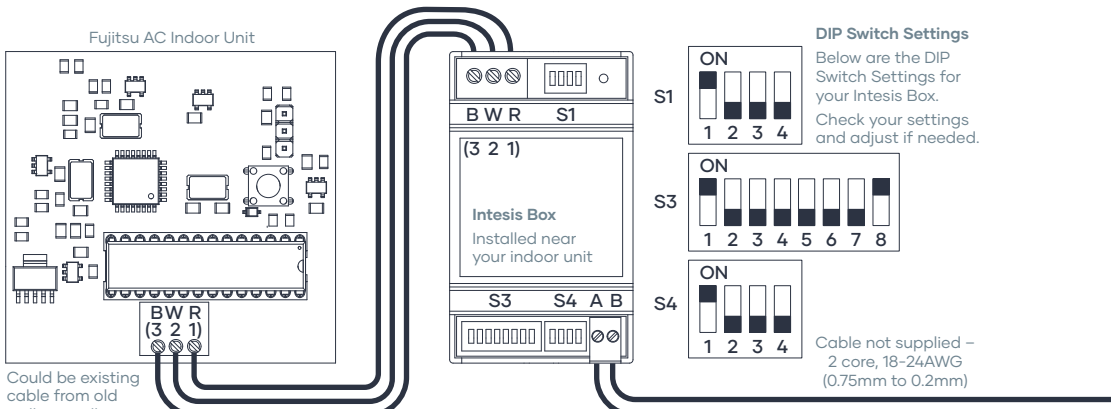
4. Save the changes you have made and exit the Service screen.

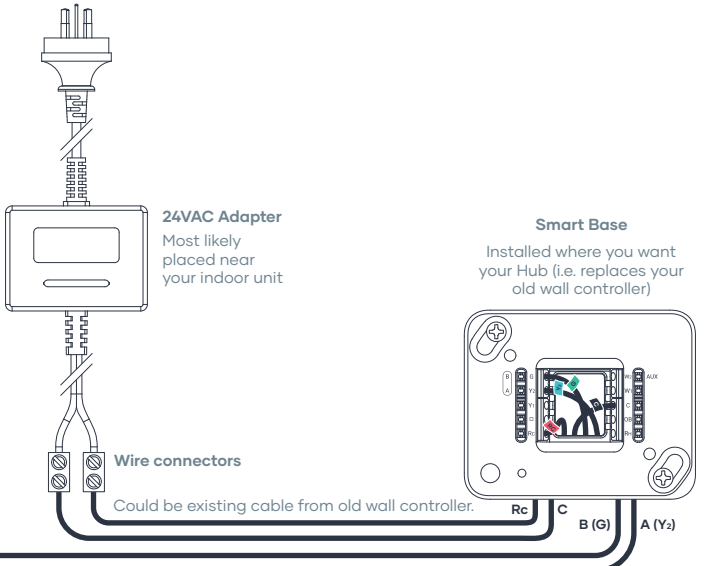
# Fujitsu wiring diagram — Smart Base and Power Base.



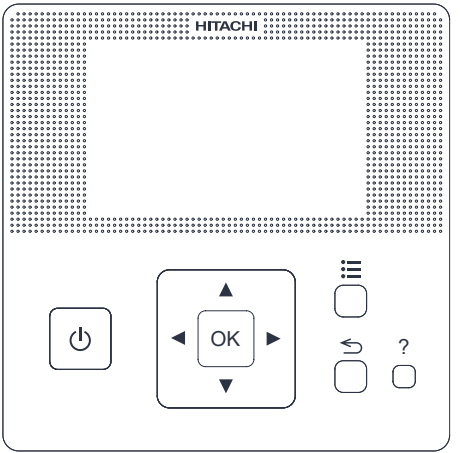

Smart Base
Installed near your indoor unit
24VAC Adapter
Most likely placed near your indoor unit
Power Base
Installed on your wall where your Hub will go
AUX
R
C
B (G)
A (Y2)
Rc
C
Wire connectors
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Could be existing cable from old wall controller
R
C

# Fujitsu wiring diagram — Smart Base only.




24VAC Adapter
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)

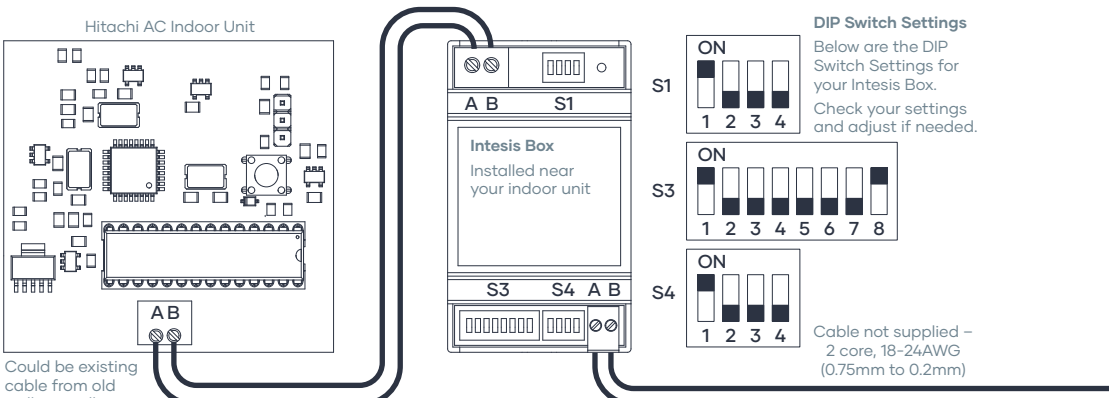
# Hitachi.

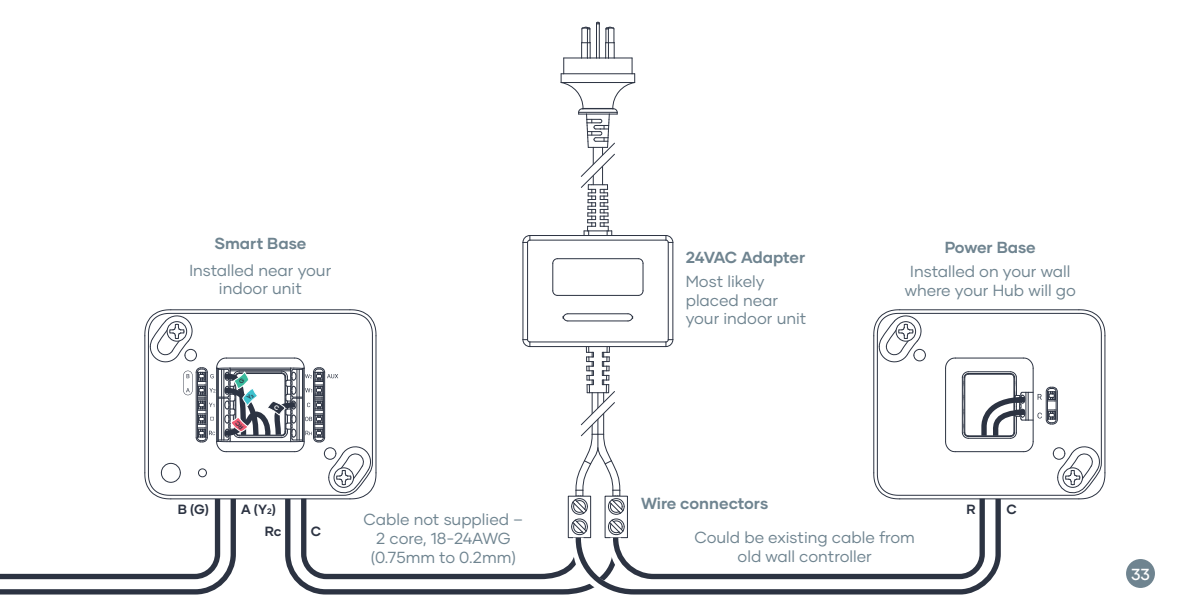



Your Hitachi
controller may differ
from the picture.

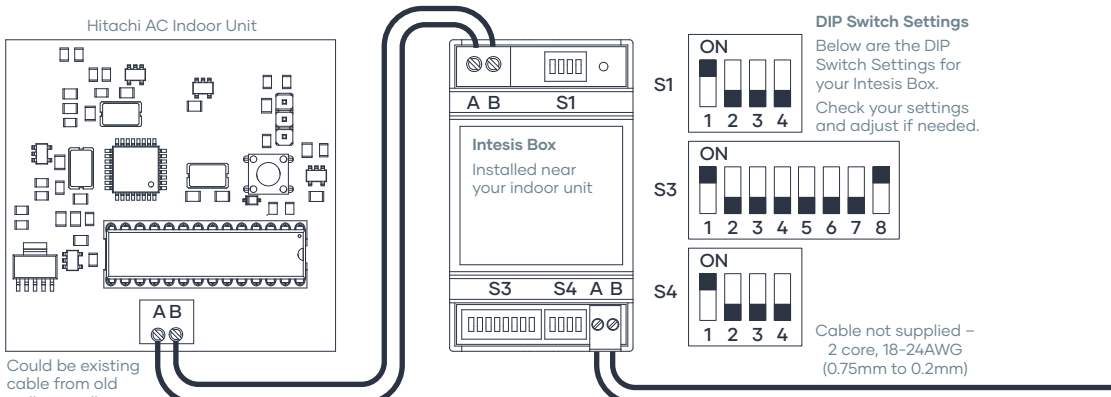
1. Navigate to Test run menu on your wall control. Refer to your wall control installation manual that came with your Hitachi air conditioner to find out how to make changes in the Test Run menu.
2. In Test Run menu, navigate to Thermistor selection option.
3. In Thermistor selection menu, select the option so the **thermistor of remote control** is used.
4. Save the changes you have made and exit the Test Run menu.

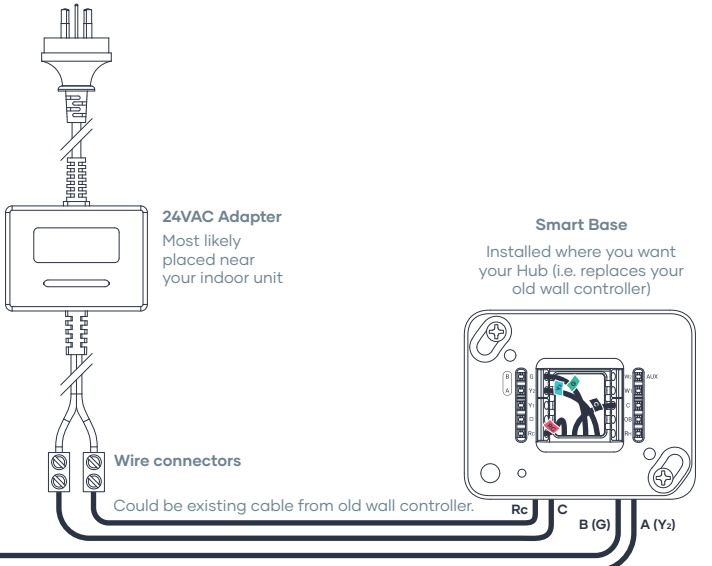
# Hitachi wiring diagram — Smart Base and Power Base.




Smart Base
Installed near your indoor unit
24VAC Adapter
Most likely placed near your indoor unit
Power Base
Installed on your wall where your Hub will go
AUX
R
C
B (G)
A (Y2)
Rc
C
Wire connectors
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Could be existing cable from old wall controller
R
C

# Hitachi wiring diagram — Smart Base only.



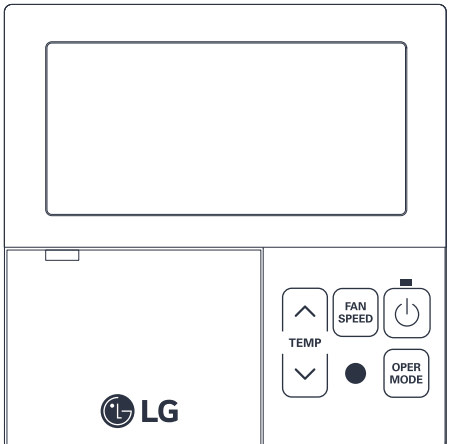

24VAC Adapter
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)
AUX

LG.

Your LG controller may differ from the picture.

## For PDR controller

1. Press the Sub Function button on wall control to navigate to Function Settings.
2. Set the Thermistor mode to **Remote Controller temperature sensor** by pressing the REMO button.
3. Exit the Function Settings.




Your LG controller may differ from the picture.

## For PRE controller

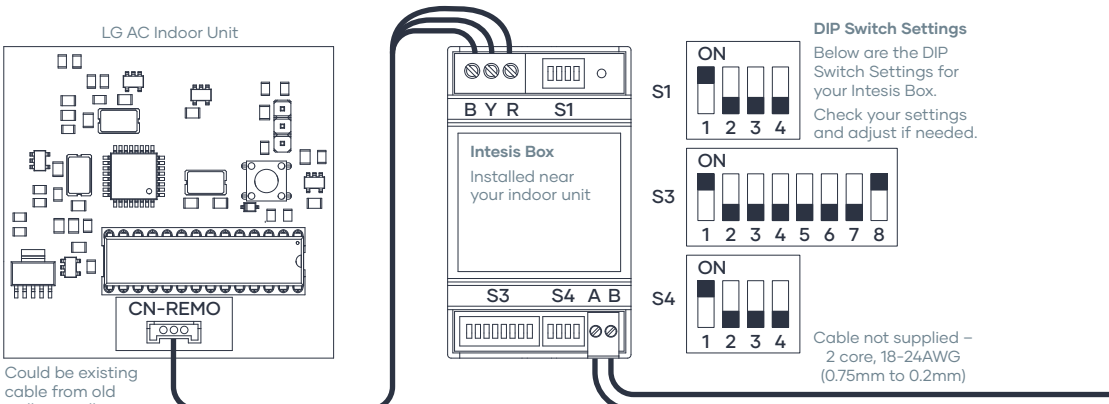
1. Navigate to Installer settings on your wall control. Refer to your installation manual that came with your LG air conditioner to find out how to make changes to Installer settings.
2. In Installer settings, navigate to code value 04, for room temperature sensor.
3. Select the set value as 01. This value is for using the **Remote Control temperature sensor**.

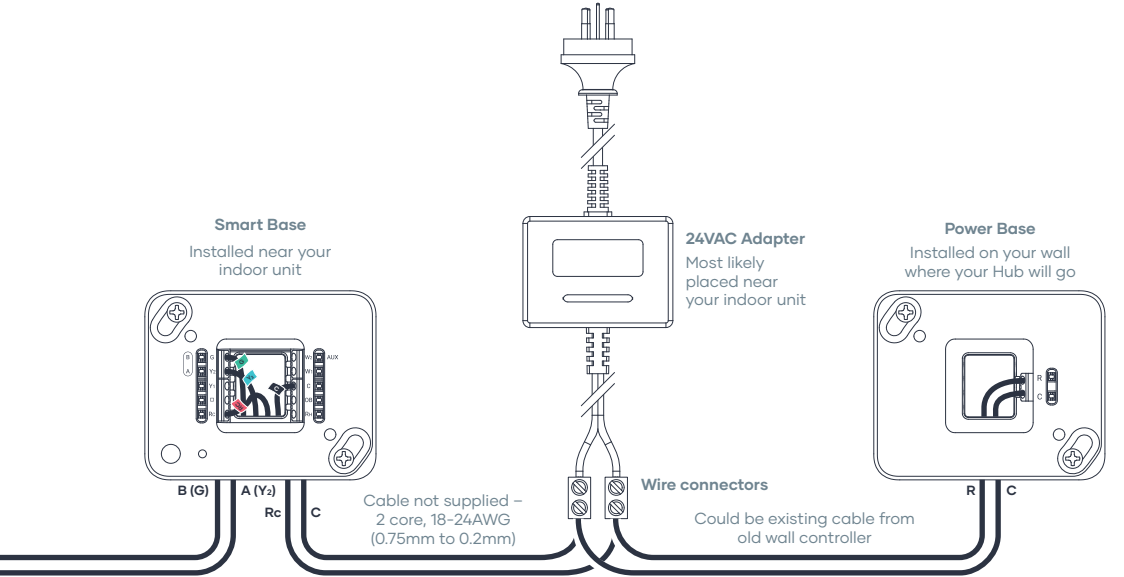
   **NOTE:** For wall control PREMTA, set value for sensor location is 001.

| Item code | 04 | Value | 01 |
|---|---|---|---|

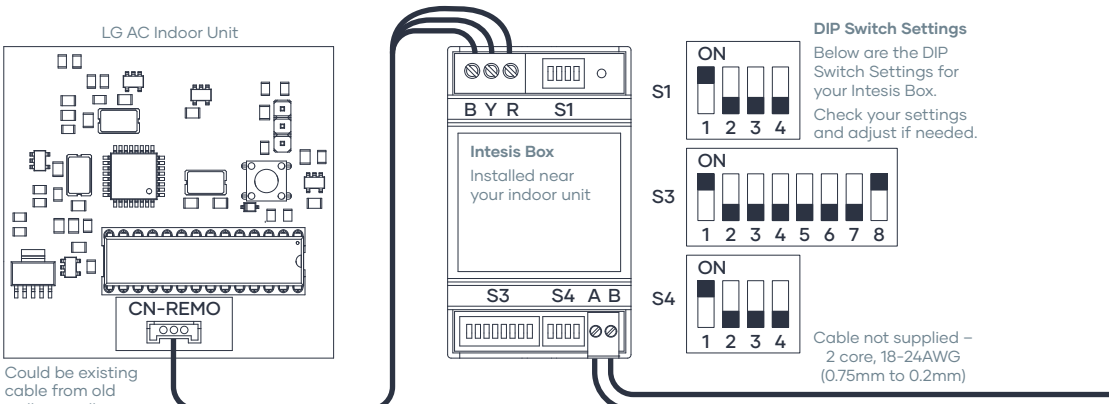
4. Save the changes you have made and exit the Installer settings.

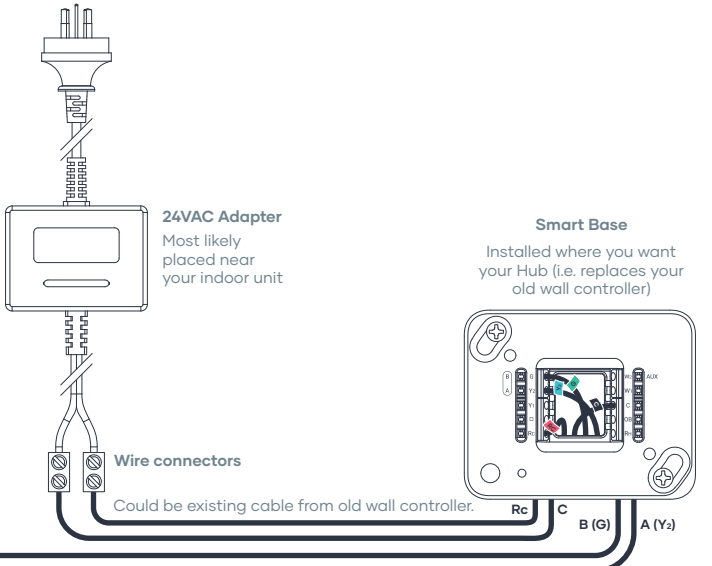
# LG (plug-in terminal) wiring diagram — Smart Base and Power Base.



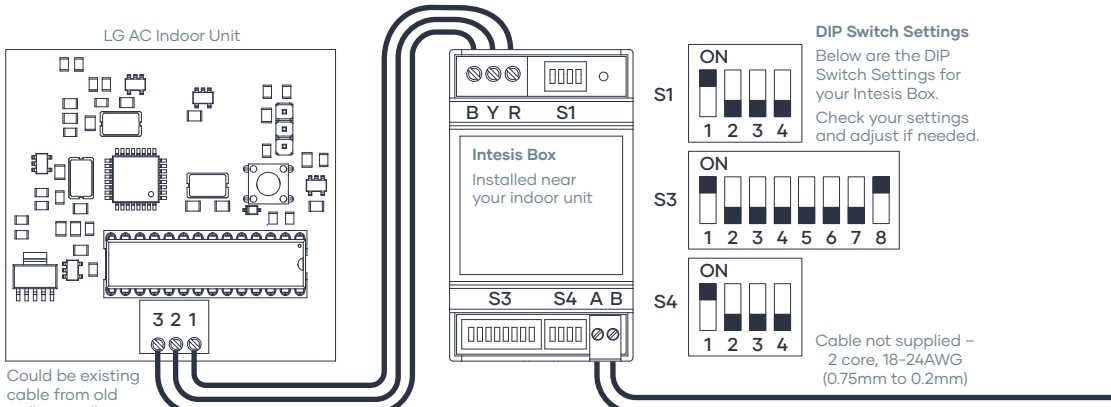

Smart Base
Installed near your indoor unit
24VAC Adapter
Most likely placed near your indoor unit
Power Base
Installed on your wall where your Hub will go
AUX
R
C
B (G)
A (Y2)
Rc
C
Wire connectors
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Could be existing cable from old wall controller
R
C

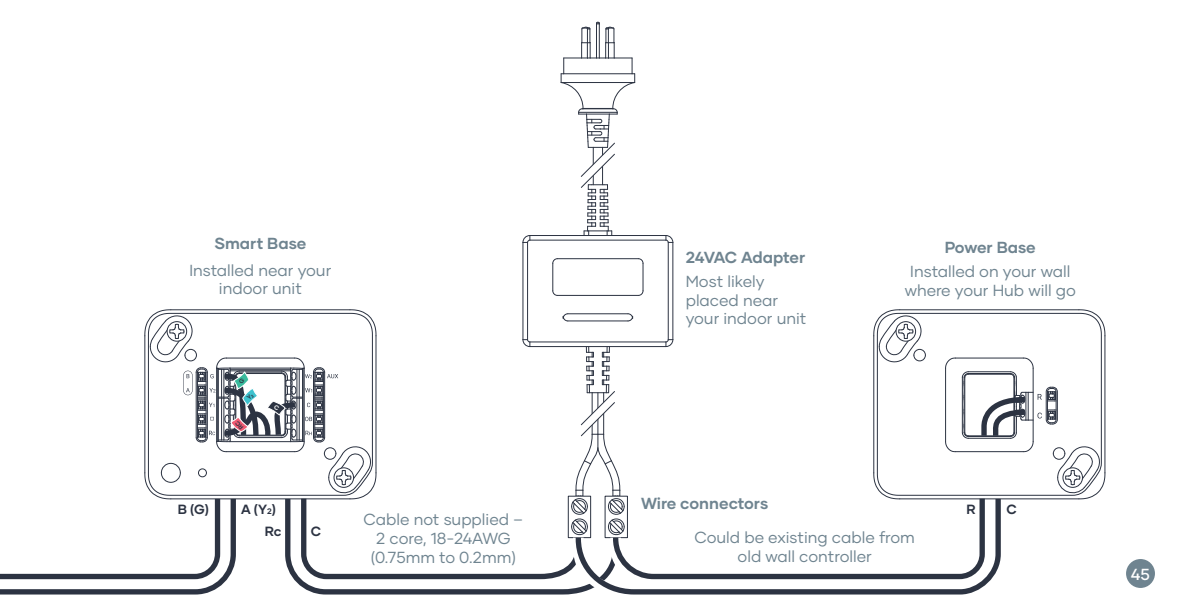
# LG (plug-in terminal) wiring diagram — Smart Base only.




24VAC Adapter
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)
AUX

# LG (screw-in terminal) wiring diagram — Smart Base and Power Base.

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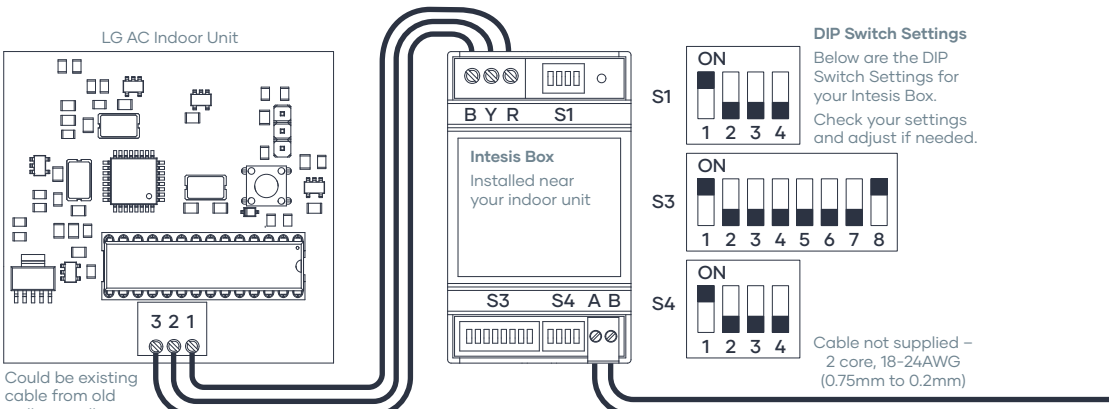
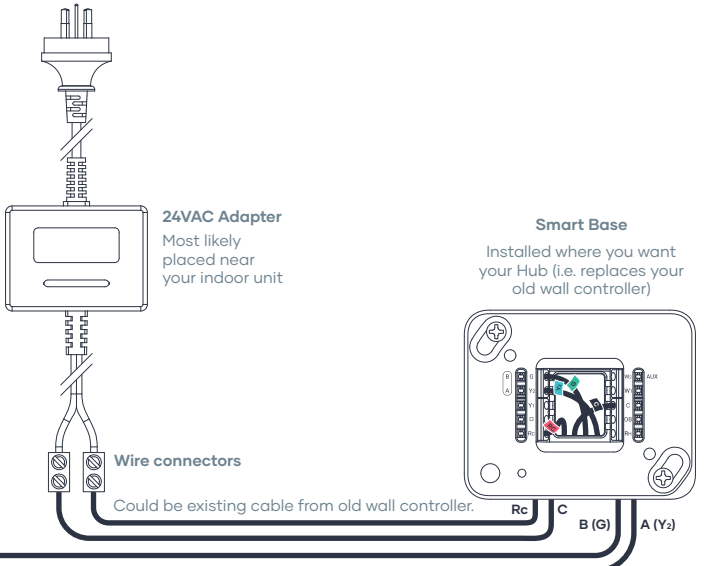
Power Base
Installed on your wall where your Hub will go
AUX
R
C
B (G)
A (Y2)
Rc
C
Wire connectors
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Could be existing cable from old wall controller
R
C

# LG (screw-in terminal) wiring diagram — Smart Base only.

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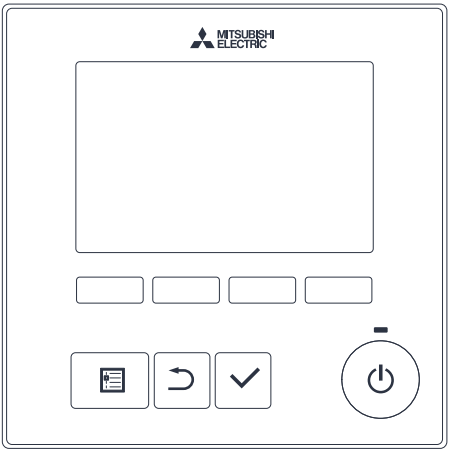
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)

# Mitsubishi Electric.




Your Mitsubishi Electric controller may differ from the picture.

1. Navigate to Function settings on your wall control. Refer to your wall control installation manual that came with your Mitsubishi air conditioner to find out how to make changes to the Function settings.

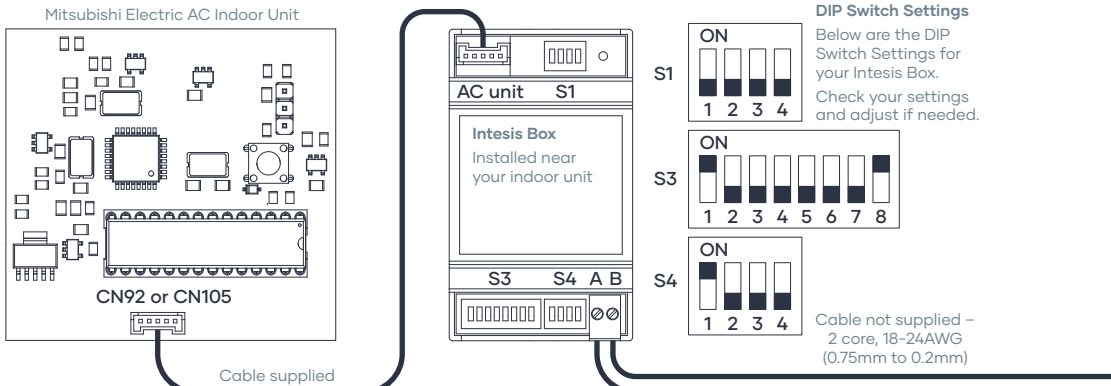
   **NOTE:** Function settings maybe password protected depending on your model. You may need to contact your installer or manufacturer to get the password if changed from the default or reset your controller.

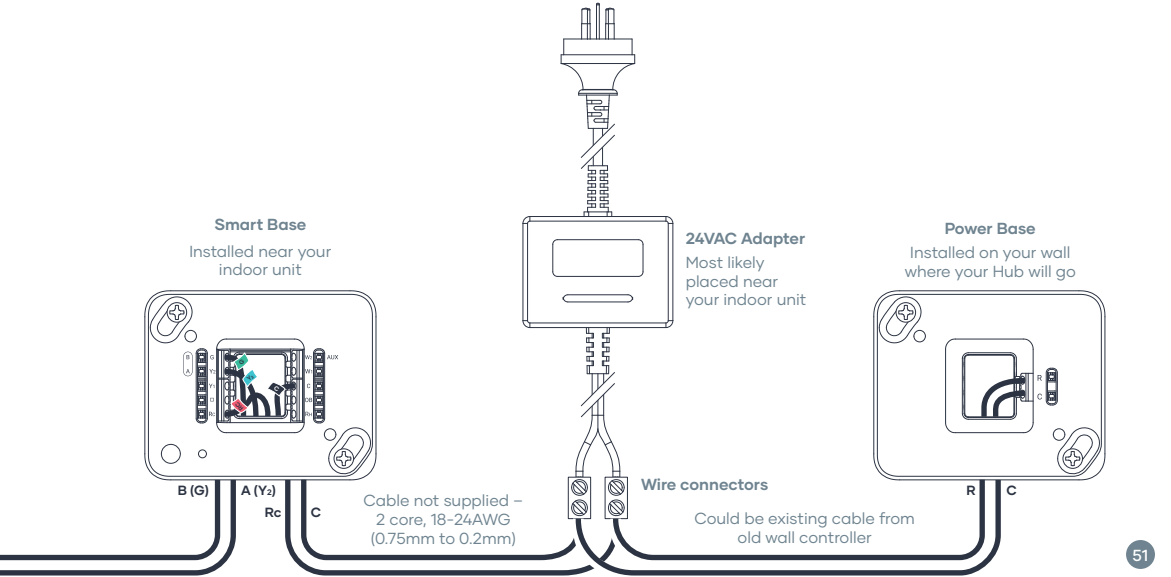
   In the Function settings, find Mode 02 and make sure it's set to Setting number 2 so the **'thermistor on the indoor unit'** is used.

| Mode | 02 | Setting no. | 2 |
|---|---|---|---|

2. Save the changes you have made and exit the Function settings.

# Mitsubishi Electric wiring diagram — Smart Base and Power Base.

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Installed near your indoor unit
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Most likely placed near your indoor unit
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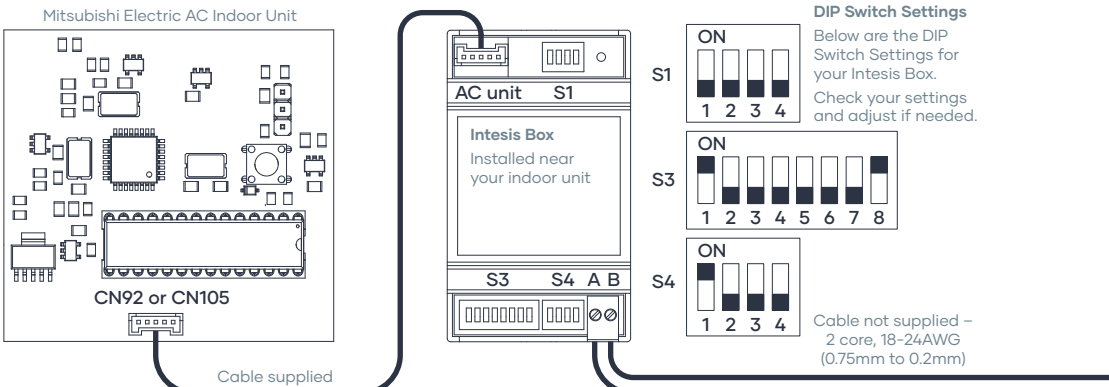
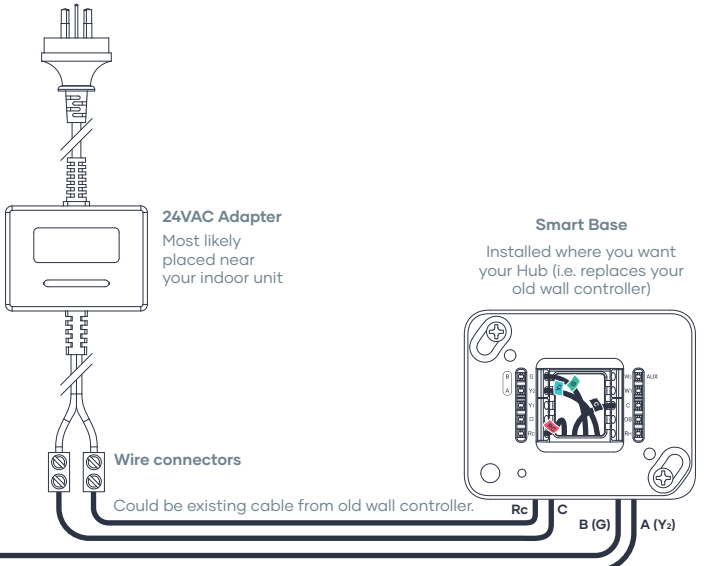
C
B (G)
A (Y2)
Rc
C
Wire connectors
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Could be existing cable from old wall controller
R
C

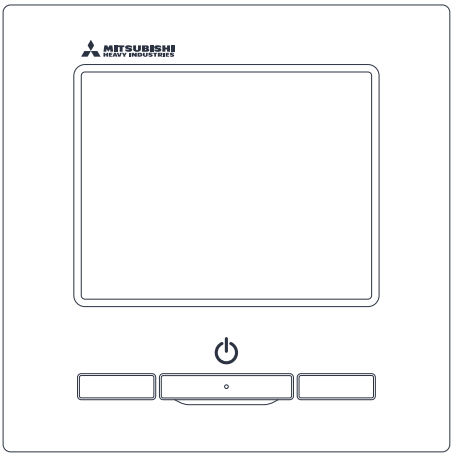
# Mitsubishi Electric wiring diagram — Smart Base only.




24VAC Adapter
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)

# Mitsubishi Heavy.

The settings depend on type of controller you have.

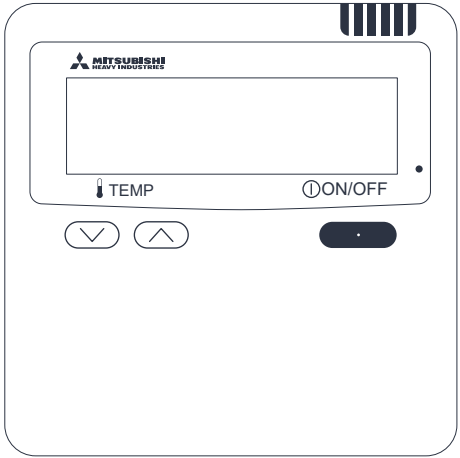



Your Mitsubishi Heavy controller may differ from the picture.

## For RC-EX3

1. Navigate to Service settings menu on your wall control. Refer to your wall control installation manual that came with your Mitsubishi air conditioner to find out how to make changes to the Service settings.
2. In the main menu, go to the Service settings, navigate to R/C function settings.

   **NOTE:** Service settings are password protected. You may need to contact your installer or manufacturer to get the password if changed from the default.
3. In R/C function settings, navigate to R/C sensor setting.
4. In R/C sensor setting, select the Enable option. This sets the **wall control sensor** to be used.
5. Save the changes and exit the Service settings.

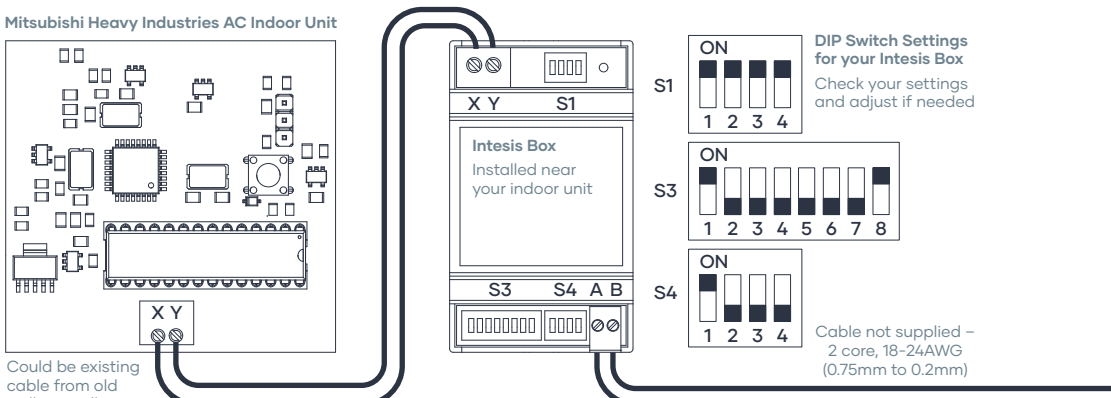


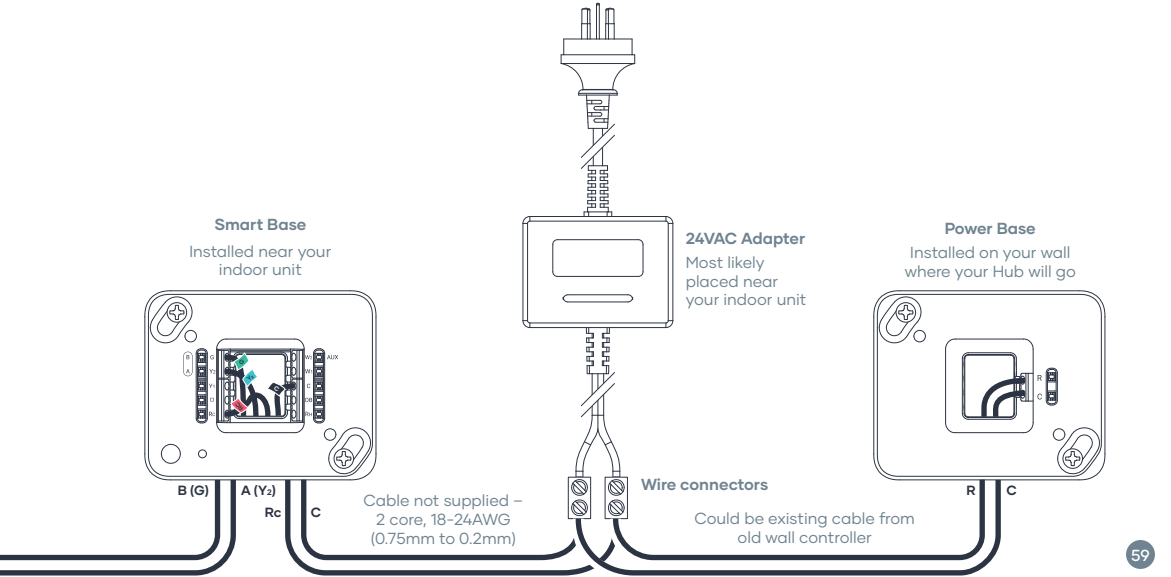

Your Mitsubishi Heavy controller may differ from the picture.

## For RC-E5

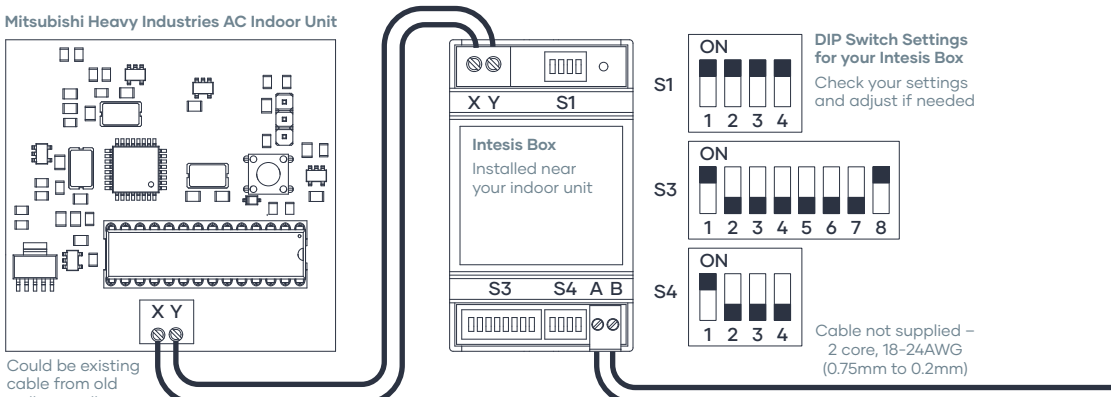
1. Navigate to Remote Controller function settings menu on your wall control. Refer to your wall control installation manual that came with your Mitsubishi air conditioner to find out how to make changes to the Remote Controller function settings.
2. In Remote Controller function settings, navigate to Function 09, Sensor Set.
3. In the setting Sensor Set, choose the option as Sensor ON. This sets the **wall control sensor** to be used.
4. Save the changes and exit the function settings.

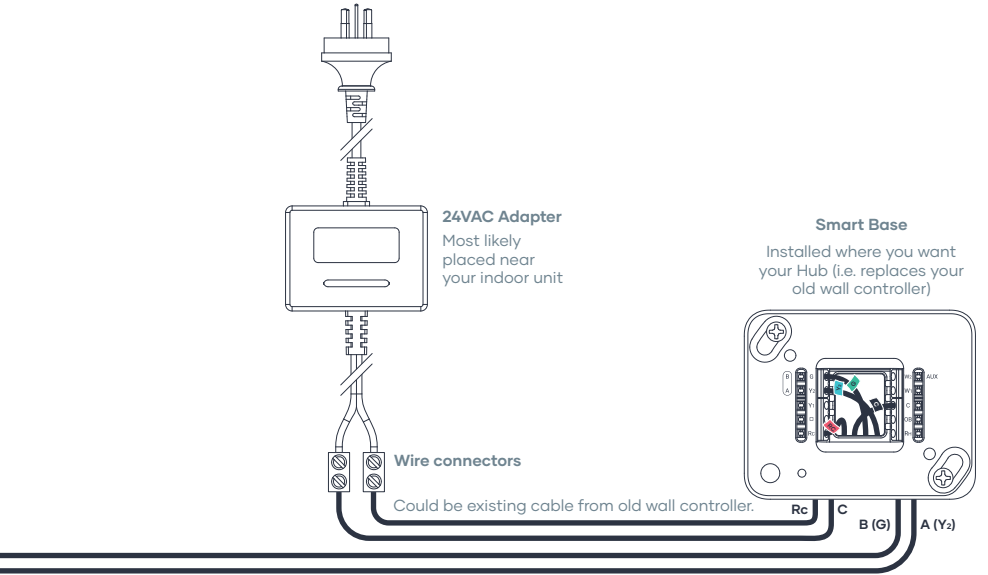
# Mitsubishi Heavy wiring diagram — Smart Base and Power Base.




Smart Base
Installed near your indoor unit
24VAC Adapter
Most likely placed near your indoor unit
Power Base
Installed on your wall where your Hub will go
AUX
R
C
B (G)
A (Y2)
Rc
C
Wire connectors
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Could be existing cable from old wall controller
R
C

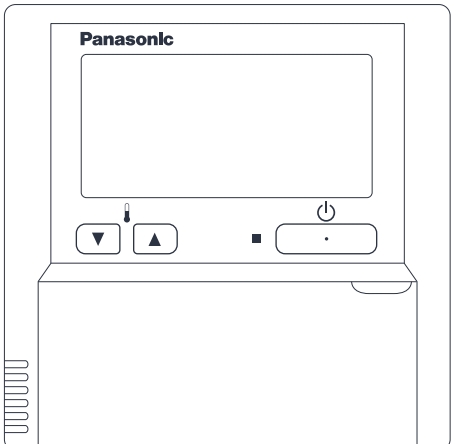
# Mitsubishi Heavy wiring diagram — Smart Base only.




24VAC Adapter
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)
AUX

# Panasonic.

The settings depend on type of controller you have.




Your Panasonic controller may differ from the picture.

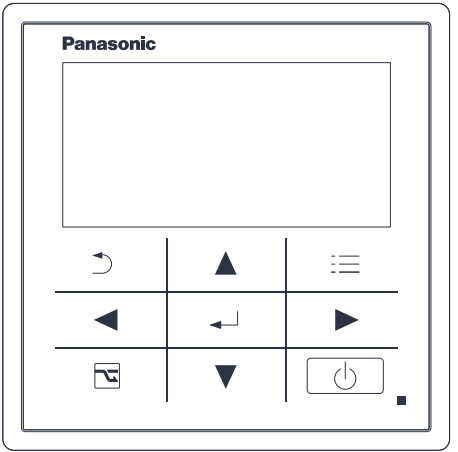
## For CZ-RTC4

1. Navigate to detailed settings function. Refer to your wall control installation manual that came with your Panasonic air conditioner to find out how to make changes to the detailed settings functions.
2. In the Indoor unit setting menu, navigate to item code 32 and select its value as 0000.

| Item code | 32 | Item name | Wired remote controller sensor | Value | 0000 |
|---|---|---|---|---|---|

   This sets the **indoor unit sensor** to be used.

3. Save the changes you have made and exit the setting menu.




Your Panasonic controller may differ from the picture.

## For CZ-RTC5

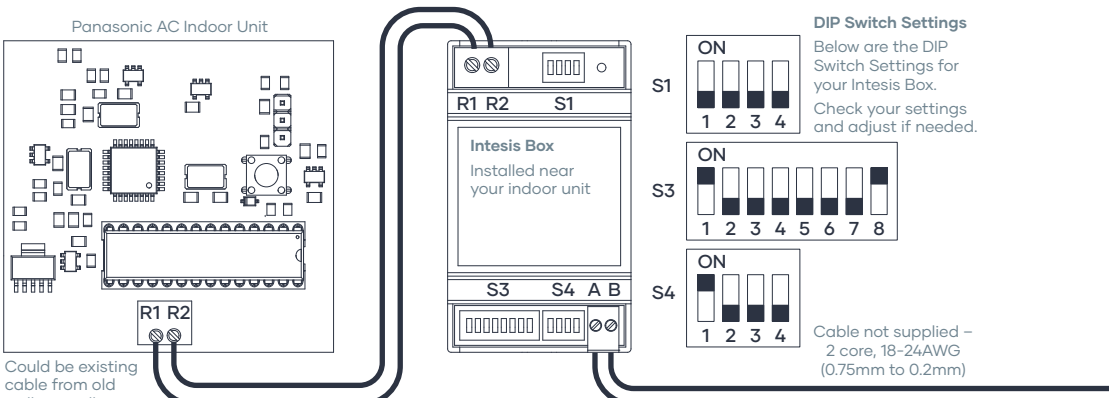
1. Navigate to the Maintenance function on your wall control. Refer to your wall control installation manual that came with your Panasonic air conditioner to find out how to display the maintenance function.
2. In the Maintenance function menu, navigate to RC setting mode.
3. In the RC setting mode, navigate to item code 32 and select its value as 0000. This setting is to select Indoor unit temperature sensor.

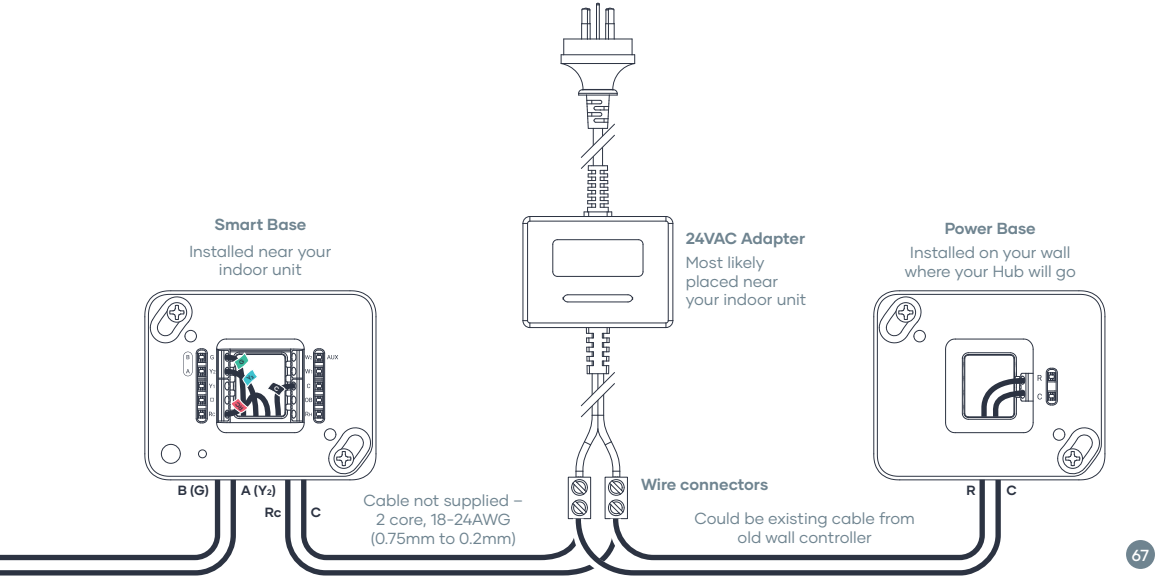
| Item code | 32 | Item name | Temperature sensor setting | Value | 0000 |
|---|---|---|---|---|---|

   This sets the **indoor unit sensor** to be used.

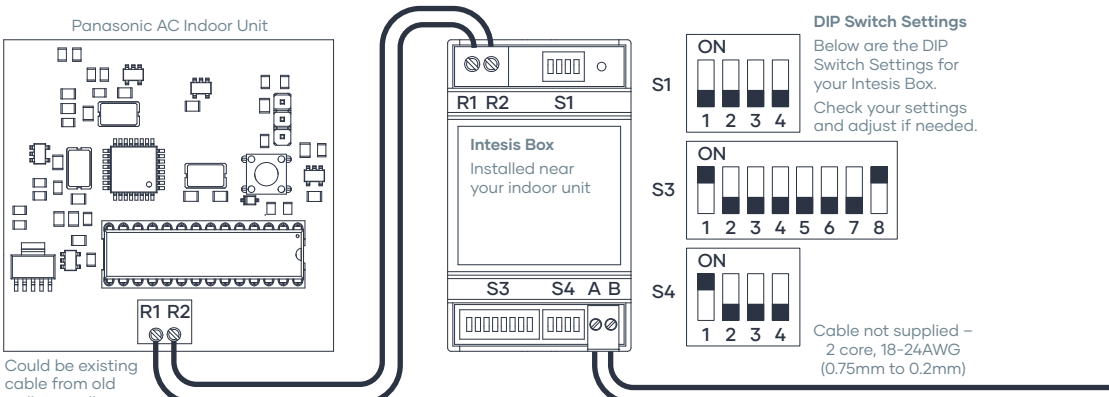
4. Save the changes you have made and exit the Maintenance function.

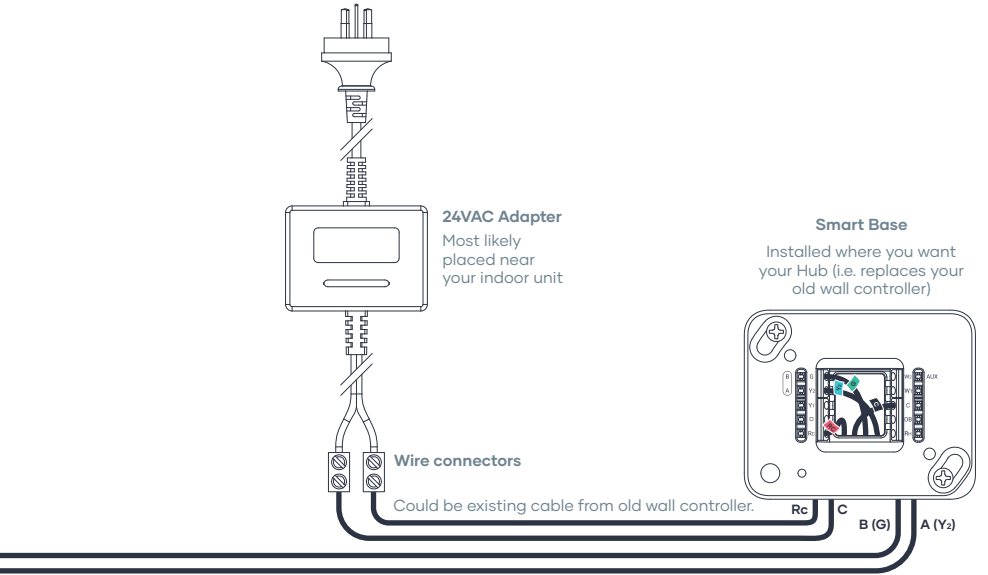
# Panasonic wiring diagram — Smart Base and Power Base.



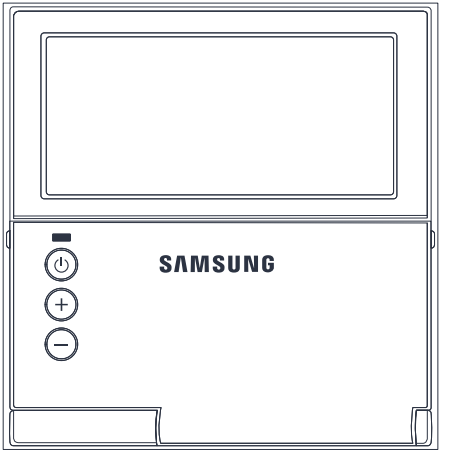

Smart Base
Installed near your indoor unit
24VAC Adapter
Most likely placed near your indoor unit
Power Base
Installed on your wall where your Hub will go
B (G)
A (Y2)
Rc
C
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Wire connectors
Could be existing cable from old wall controller
R
C

# Panasonic wiring diagram — Smart Base only.




24VAC Adapter
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)

# Samsung.




Your Samsung
controller may differ
from the picture.

## For MWR-WE

1. Navigate to main menu 1 on your wall control. Refer to your wall control installation manual that came with your Samsung air conditioner to find out how to make changes to additional function settings.
2. In main menu 1, navigate to sub menu 2.
3. In sub menu 2, navigate to temperature sensor selection setting.
4. Select the value of 1 for temperature sensor selection setting. This value is for using the **temperature sensor on wired remote controller**.

| Sub menu 2 | Temperature sensor selection | Setting | 1 |
|---|---|---|---|

5. Save the changes you have made and exit the main menu.

Your Samsung controller may differ from the picture.

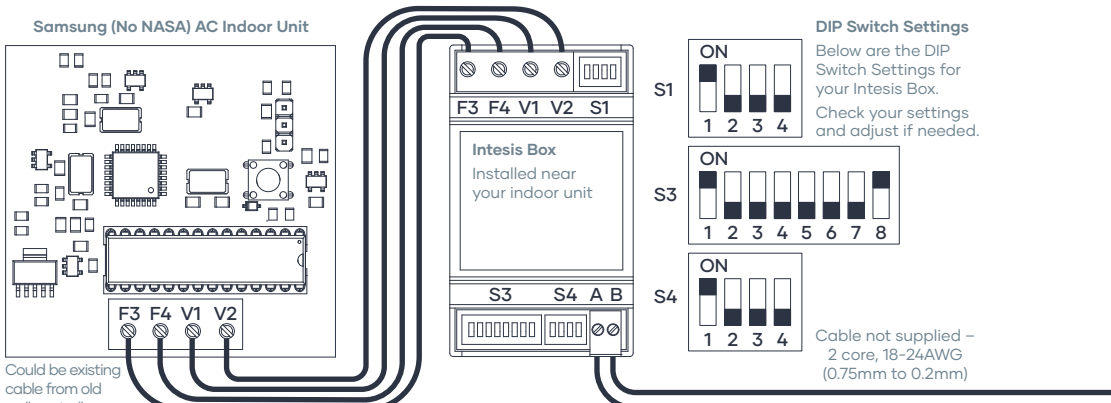
## For MWR-WG

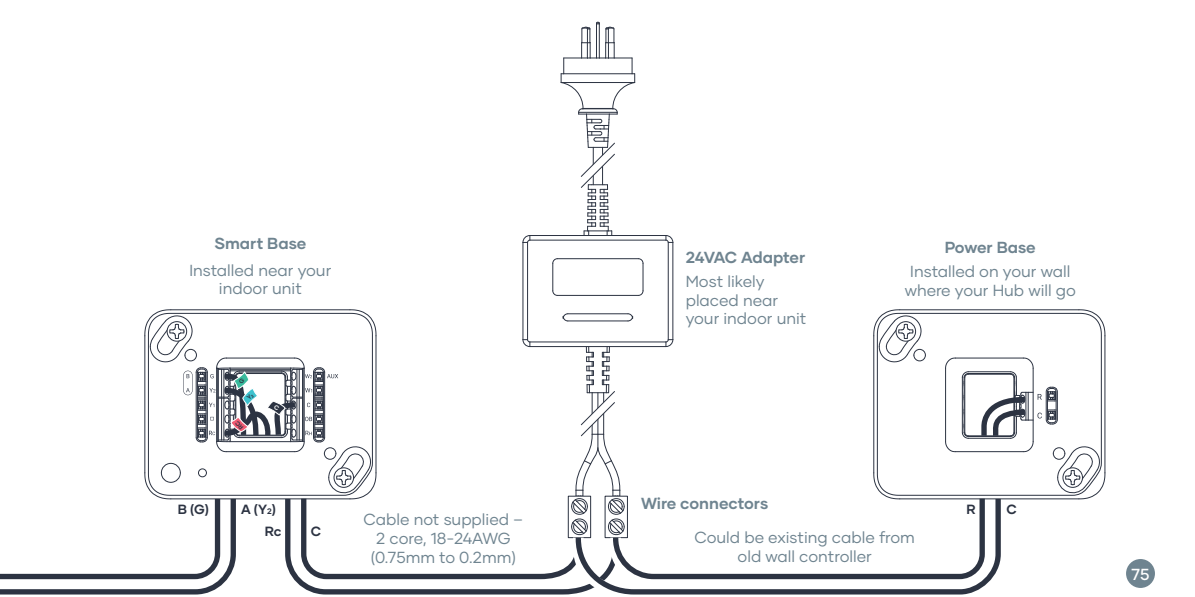
1. Navigate to Service mode on your wall control. Refer to your wall control installation manual that came with your Samsung air conditioner to find out how to make changes to additional function settings.

   **NOTE:** This menu is password protected. You may need to contact your installer or manufacturer to get the password, if changed from the default or reset your controller.

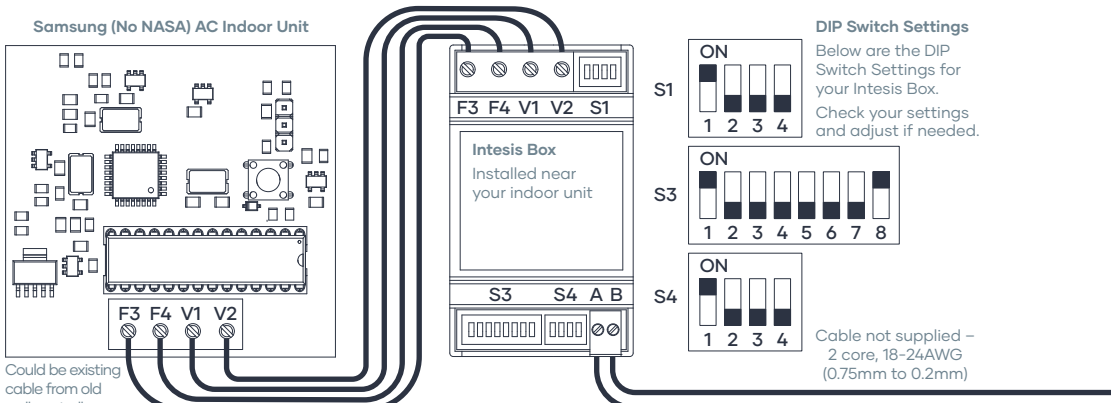
2. In Service mode, navigate to General menu. In General menu, navigate to Indoor unit option. In Indoor unit option, navigate to temperature sensor selection setting.
3. Select the setting for Wired remote controller. This setting is for using the **temperature sensor on wired remote controller**.
4. Save the changes you have made and exit the Service mode.

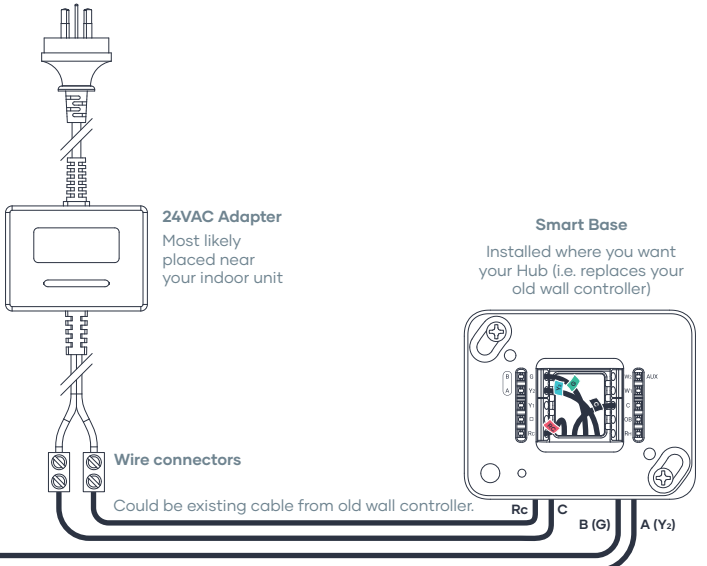
# Samsung (no NASA) wiring diagram — Smart Base and Power Base.



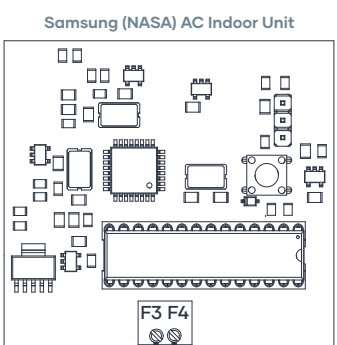

Smart Base
Installed near your indoor unit
24VAC Adapter
Most likely placed near your indoor unit
Power Base
Installed on your wall where your Hub will go
AUX
R
C
B (G)
A (Y2)
Rc
C
Wire connectors
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Could be existing cable from old wall controller
R
C

# Samsung (no NASA) wiring diagram — Smart Base only.

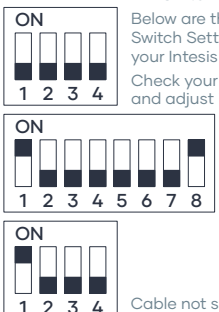



24VAC Adapter
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)
AUX

# Samsung (NASA) wiring diagram — Smart Base and Power Base.




Could be existing cable from old wall controller

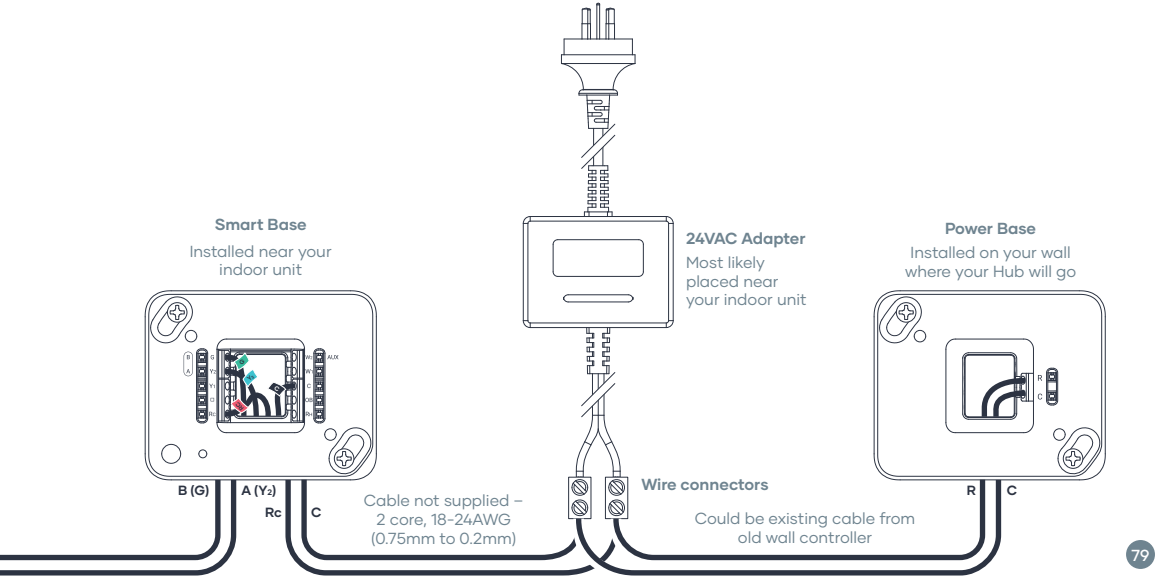



**DIP Switch Settings**

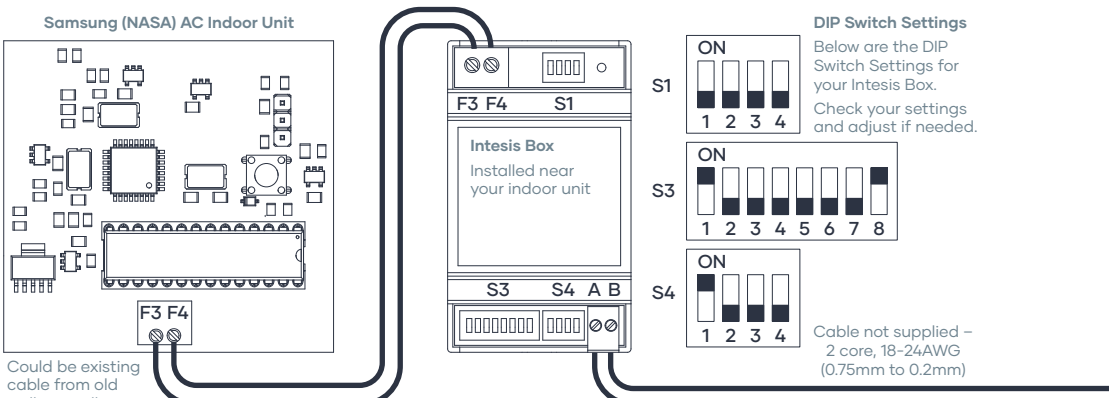
Below are the DIP Switch Settings for your Intesis Box.

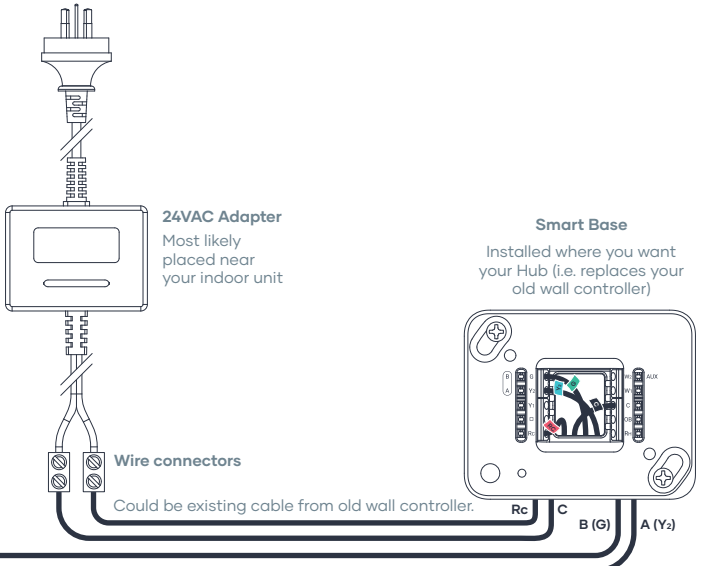
Check your settings and adjust if needed.

Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)

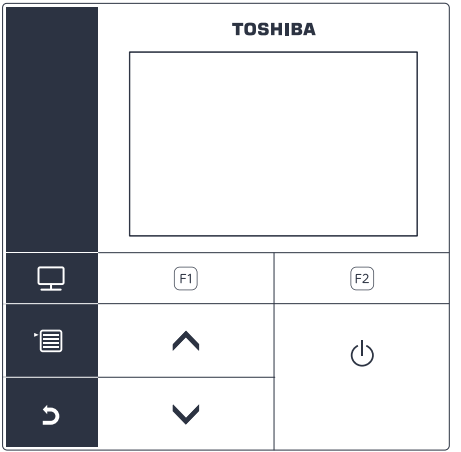

Smart Base
Installed near your indoor unit
24VAC Adapter
Most likely placed near your indoor unit
Power Base
Installed on your wall where your Hub will go
B (G)
A (Y2)
Rc
C
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Wire connectors
Could be existing cable from old wall controller
R
C

# Samsung (NASA) wiring diagram — Smart Base only.




24VAC Adapter
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)

# Toshiba.




Your Toshiba
controller may differ
from the picture.

1. Navigate to Field settings on your wall control. Refer to your wall control installation manual that came with your Toshiba air conditioner to find out how to make changes to the Field settings.

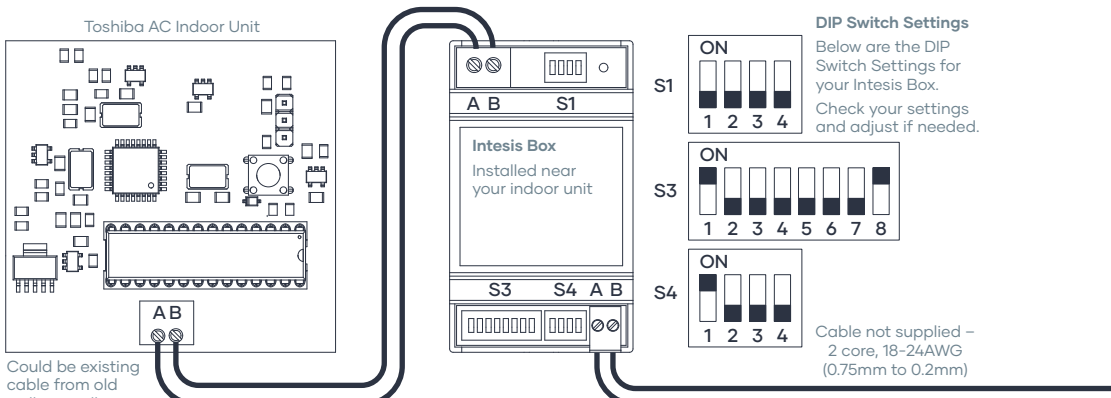
   **NOTE:** It may not be called Field Settings or DN code depending on your Toshiba wall control model.

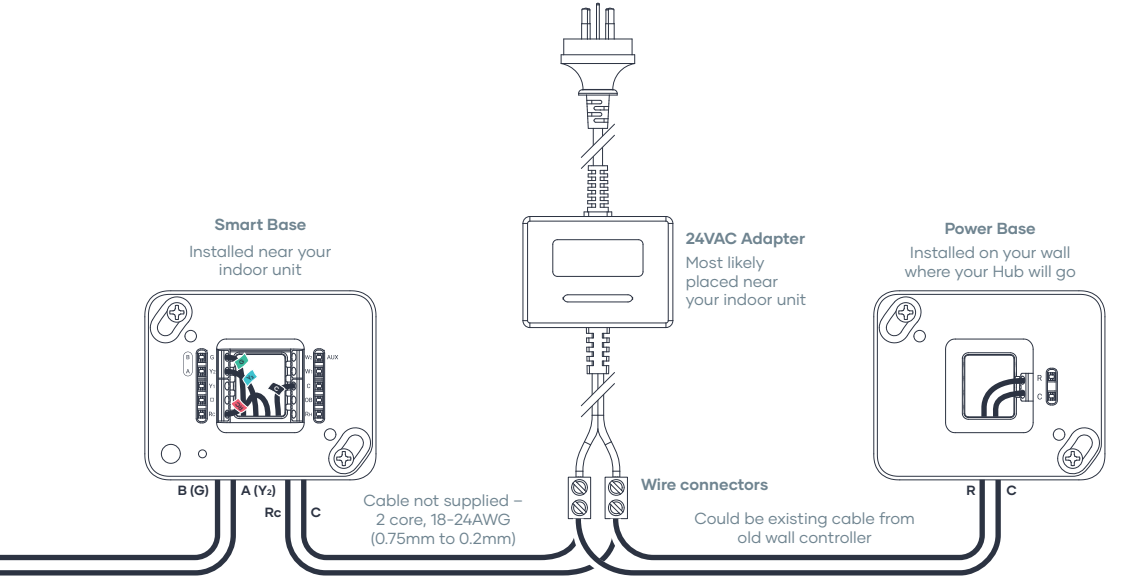
2. In the Field settings, navigate to DN settings.
3. In DN settings, navigate to DN code 32 and select its value as 0000. Choose the value for using **indoor unit sensor**.

| DN code | 32 | Value | 0000 |
|---|---|---|---|

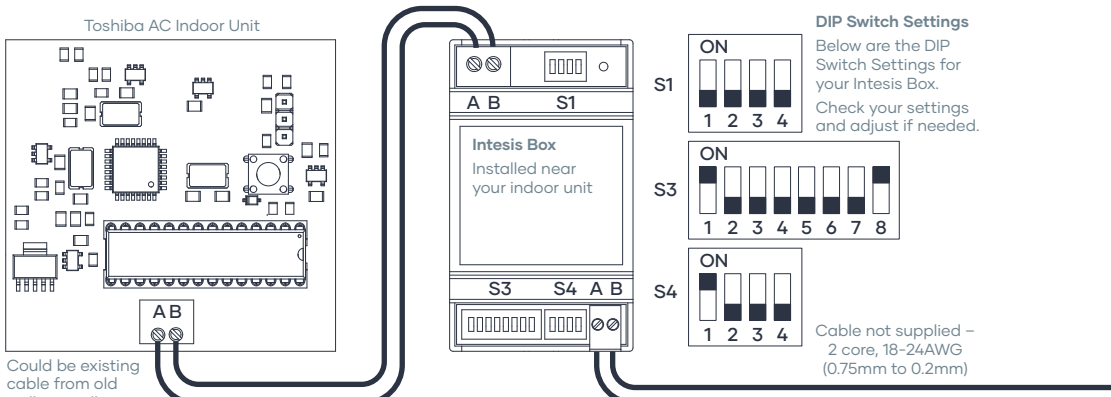
4. Save the changes you have made and exit the Field settings.

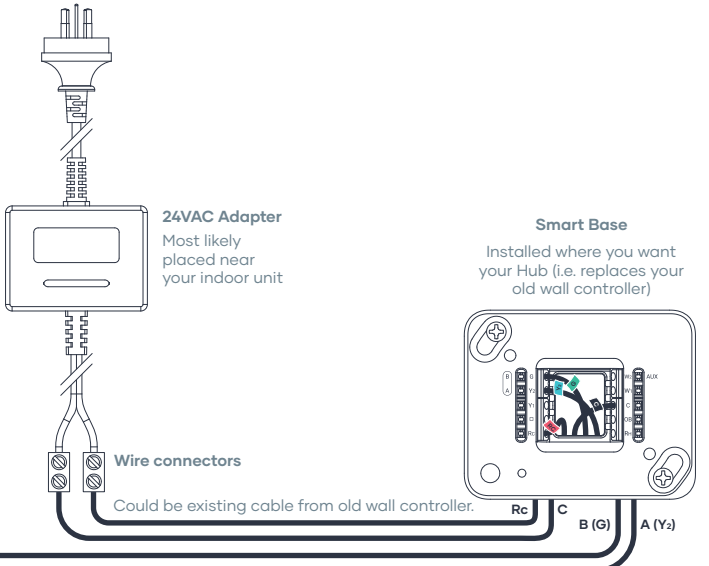
# Toshiba wiring diagram — Smart Base and Power Base.




Smart Base
Installed near your indoor unit
24VAC Adapter
Most likely placed near your indoor unit
Power Base
Installed on your wall where your Hub will go
B (G)
A (Y2)
Rc
C
Cable not supplied – 2 core, 18-24AWG (0.75mm to 0.2mm)
Wire connectors
Could be existing cable from old wall controller
R
C

# Toshiba wiring diagram — Smart Base only.




24VAC Adapter
Most likely placed near your indoor unit
Smart Base
Installed where you want your Hub (i.e. replaces your old wall controller)
Wire connectors
Could be existing cable from old wall controller.
Rc
C
B (G)
A (Y2)
AUX

# Doing a fresh install?

If you are doing a fresh install of a new air conditioning system using the Milieu Climate® (NOT replacing an old wall controller), go to page 147.

Otherwise →

# Let’s get started.

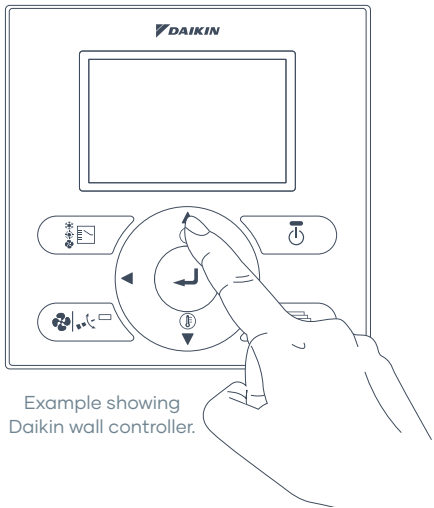
Please follow these instructions to install your new Milieu Climate® with the Adapter Kit.

# Commissioning your AC system.

Before installing your new Milieu Climate® Smart Thermostat you will need to change some settings on your AC system.

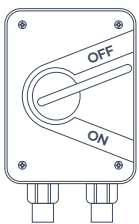
**NOTE:** You will need your AC systems supplied wall controller in order to make the necessary changes to the settings. This must be done before removing your old wall controller.

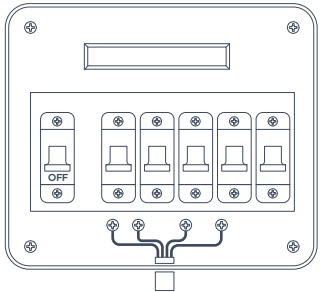
Please go to page 16 and find the commissioning notes and wiring diagram that corresponds to your AC system and follow the instructions.




Example showing Daikin wall controller.

# Switch off the power.



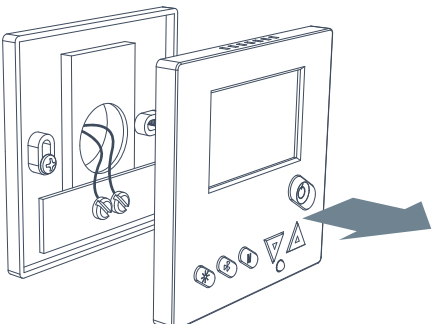



# Remove the old cover.

Remove the cover off your old wall controller.

Keep the wires connected for now. Depending on your AC system you may need to label the wires.

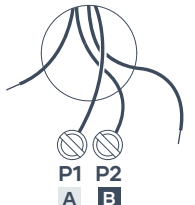
Some covers will pop off while others might require you to unscrew. Please refer to the instructions for your old wall controller.



# How many wires do you have?

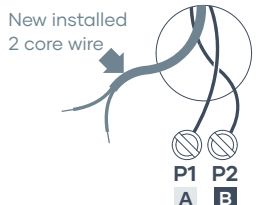
I have 2 wires. Continue to the **next page**.

Install with a Power Base and Smart Base.




I have 4 wires (connected or not). Continue to **page 119**.

Install with Smart Base only.




I have 2 wires but I can add a 2 core wire up the wall to the AC. Continue to **page 147**.

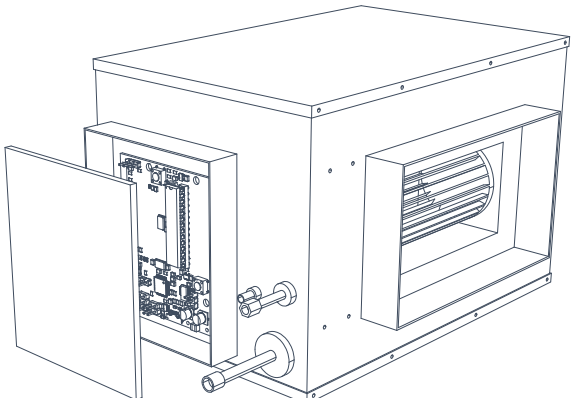
Install with Smart Base only.

# Install with a Power Base and Smart Base.

Please follow these instructions to install your new Milieu Climate® with the Adapter Kit using the Power Base and Smart Base.

# Go to your AC indoor unit.

Go to your air conditioner indoor unit and open the access panel to the electronics board.

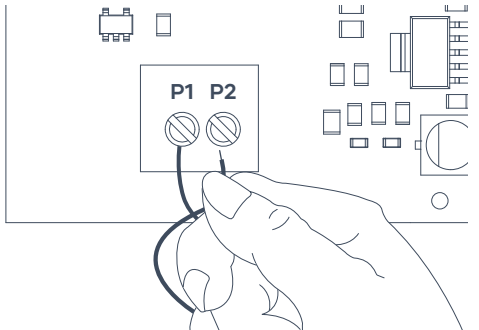


# Disconnect the indoor unit wires.

Locate where your wire connections are. These are the wires that are connected to your old wall controller.

Disconnect the wires.

**NOTE:** These wires are still needed to power your new Milieu Climate® Smart Thermostat.

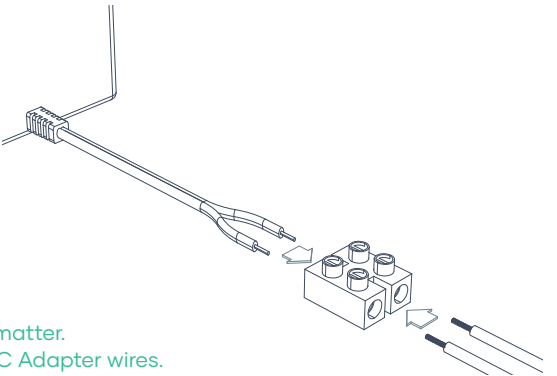



Example showing wiring for a Daikin system. Your connections may be labeled differently depending on your AC system manufacturer.

# Connect the wires to the AC Adapter.

Get the 24VAC Adapter. Do not plug it in to the wall power outlet yet.

Take the 2 wires you just disconnected from the indoor unit and connect them to your 24VAC Adapter wire ends. Please use the wire connector provided to make the connection.



**NOTE:** The polarity of the wires does not matter.
Either wire can be connected to the 24VAC Adapter wires.

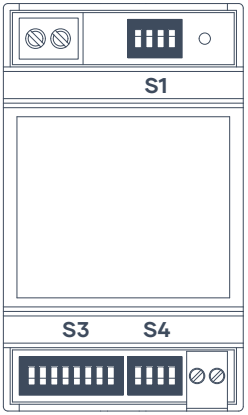
# Check your Intesis Box.

Get your Intesis Box.

**NOTE:** Your Intesis Box is specific to your AC manufacturer. This box has the right connections and settings for your AC unit.

Go to the wiring diagrams starting on page 16 and find the wiring diagram for your AC manufacturer. Check your DIP switch settings (S1, S3 and S4) are correct. These are the little switches on the Intesis Box.

**NOTE:** The DIP switches on the Intesis Box are also specific to your AC manufacturer.

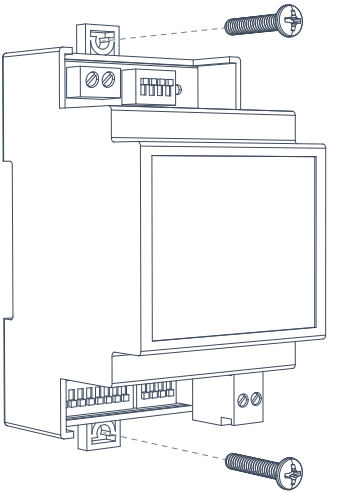



DIP switches shown may be different to your Intesis Box.

# Mount your Intesis Box.

Slide out the mounting clips on the bottom of your Intesis Box and use screws (not supplied) to mount the box either inside your indoor unit or near your indoor unit.

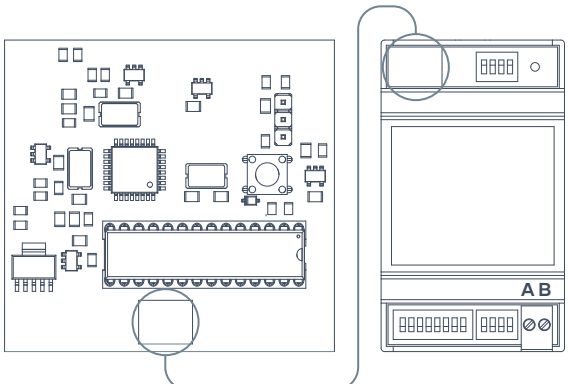
**NOTE:** The mounting clips require some force to slide out.



# Connect your Intesis Box.

Using the supplied AC cable to connect the Intesis Box to the indoor unit.

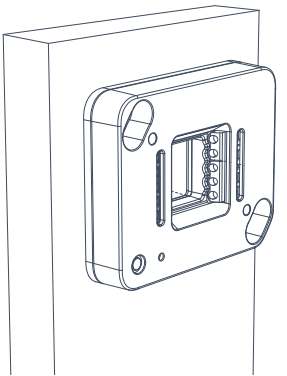
**NOTE:** Again, use the wiring diagram on page 16 that matches your AC manufacturer. The supplied wires and the type of connectors depend on your AC system.



# Prepare to install your Smart Base.

Select a location to install your Smart Base. This should be relatively close to your indoor unit as you will need to connect wires to it.

A wood or plasterboard panel where you have access to the back for wiring would be one suggestion.

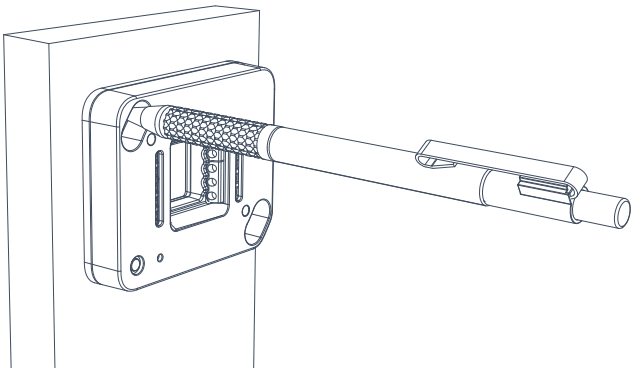


# Mark your drill holes.

Using your Smart Base as a template, mark out the following holes:

→ 2x holes on the corners for the screw locations.

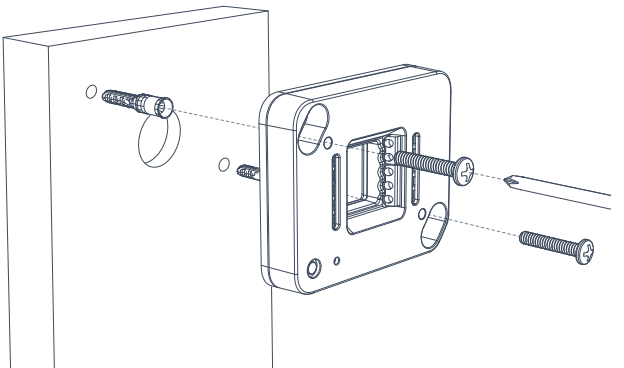
→ 1x hole in the centre for the cabling to come through.



# Screw in your Smart Base.

Screw the Smart Base in place using the supplied screws.

Again, depending on the material you're screwing the Smart Base to, you may want to use the supplied wall plugs as well.

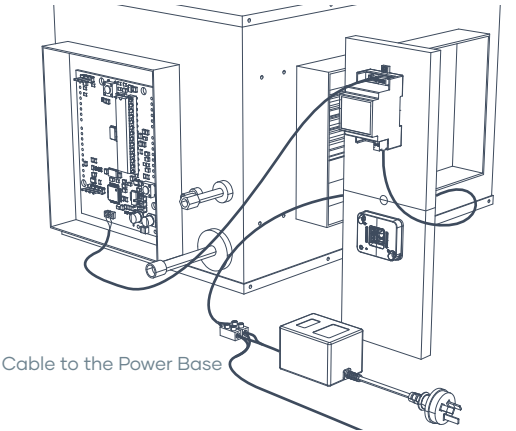


# Connect your Smart Base.

We will now wire up connections to your Smart Base.

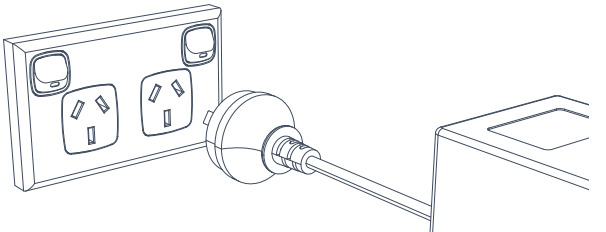
You will need 4 wires (4 solid core cable at least 24AWG) long enough to connect the Smart Base to the Intesis Box and 24VAC Adapter.

**NOTE:** Again, use the wiring diagram on page 16 that matches your AC manufacturer.



# Plug in the AC Adapter.

Once everything is connected as per the wiring diagram, plug in the AC Adapter to the wall outlet and switch it on.



**⚠ WARNING**

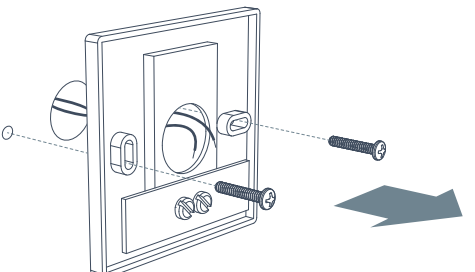
Please check and ensure your power to the HVAC system is OFF. It is recommended to connect the AC Adapter to the same power supply circuit as the air conditioning system.

# Remove your old wall controller base.

You have now completed all the wiring for your indoor unit.

Please return to your old wall controller.

Disconnect the wires and remove your old wall controller base from the wall.



# Check your wires.

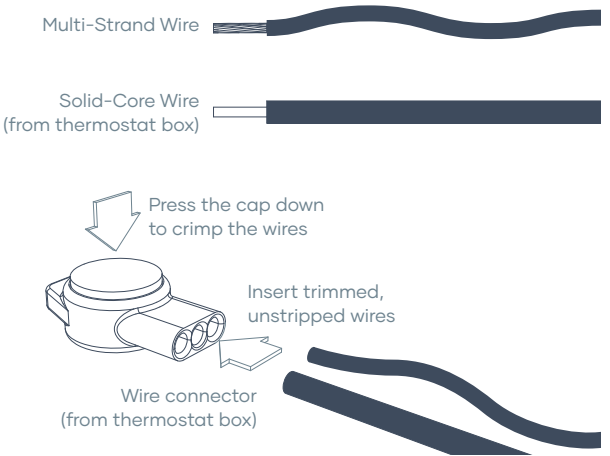
Please check if your wires are multi-strand wires or solid-core wires.

If they are solid-core wires please move to the next step.

If they are multi-strand wires, then these can be difficult to insert.

Please use the solid-core wires provided and connect them to your multi-strand wires using the wire connectors provided.

Please insert trimmed, unstripped wires into the wire connectors and press down the cap with parallel pliers to crimp the wires.

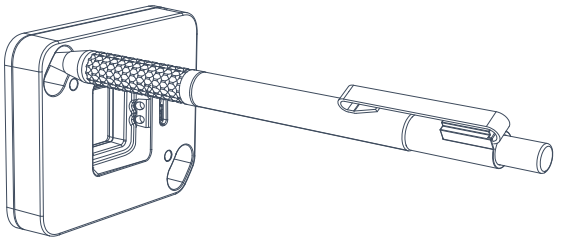

Multi-Strand Wire
Solid-Core Wire
(from thermostat box)
Press the cap down
to crimp the wires
Insert trimmed,
unstripped wires
Wire connector
(from thermostat box)

# Prepare to install your Power Base.

Use the Power Base to mark positions for screws, on the wall.

You can use a bubble level to make sure Power Base is level.

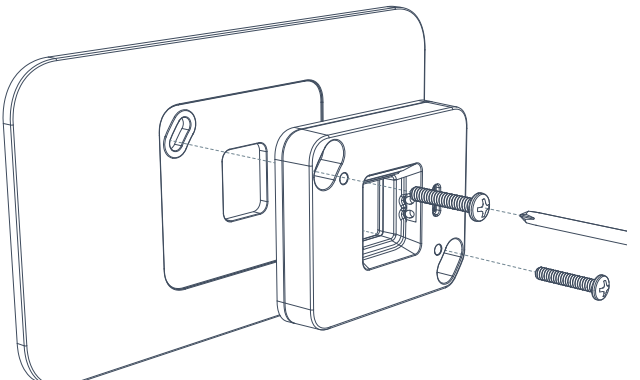
Depending on your wall material, you can drill and secure your wall anchors.



# Using the Trim Plate?

You might want to use the Trim Plate in order to cover up holes in your wall from the old wall controller.

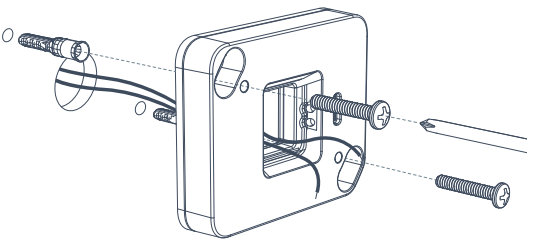
If so, place it on the wall first and screw the Power Base over the top of the Trim Plate.



# Screw in your Power Base.

Bring the 2 wires through the centre opening in the Power Base and attach the Power Base to the wall using the supplied screws.

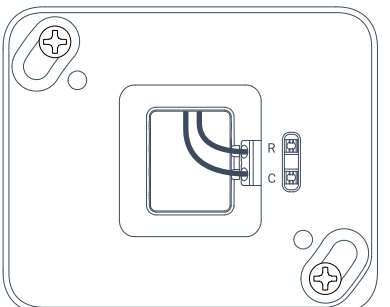
Again, depending on your wall material you may want to use the supplied wall plugs as well.



# Connect wires.

Connect the 2 wires to the “R” and “C” sockets in the Power Base. It does not matter which wire goes into what socket. Any wire can go into either socket.

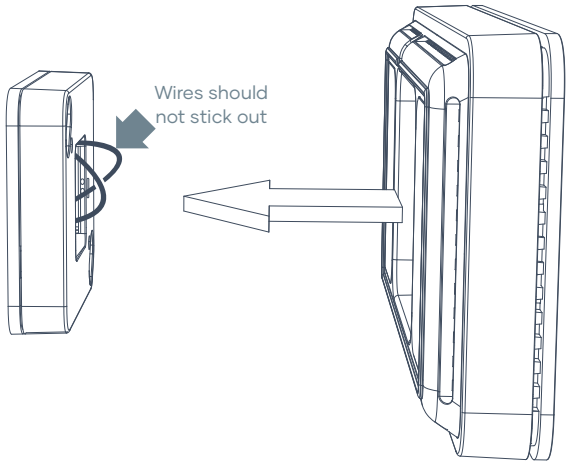
**NOTE:** The Power Base has magnets and it’s normal to feel metal tools pulled towards the smart base.



# Bulging wires?

Carefully push any excess, bulging wires back through the hole so that they are not sticking out past the Power Base.

**NOTE:** The Hub will be placed over the Power Base. Any wires sticking out might prevent the Hub from powering up.

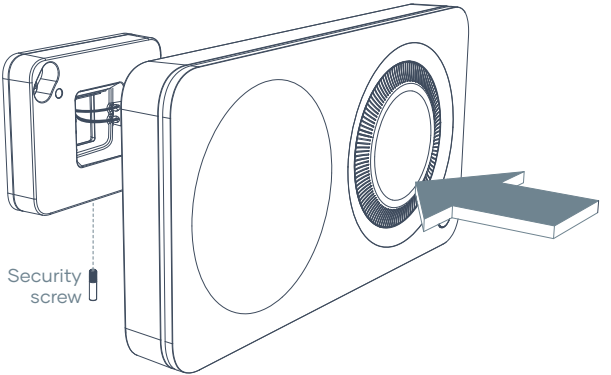


# Attach the Hub.

Place the Hub on the Power Base. This can be placed with the screen on the left or on the right; as you like.

**NOTE:** After the logo boot-up screen the screen will automatically rotate right side up.

The Hub will be magnetically attached to the Power Base.
If needed you can also secure the Hub with the supplied security screw.

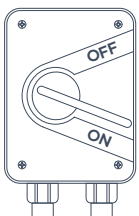


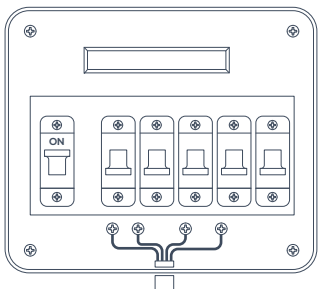

The supplied wires and the type of connectors depend on your AC system.

# Switch the power back on.

You can now switch the power back on to your HVAC system.

This can be done through the master switch on your HVAC system or your circuit breaker box.



# Power on!

Congratulations!
You just installed your new Milieu Climate® Smart Thermostat.

Press and hold the front button to power the unit on.

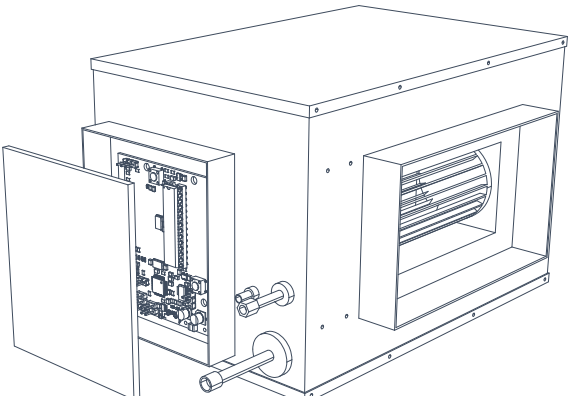
Please follow the on-screen instructions to set up your device.

# Install with a Smart Base only.

Please follow these instructions to install your new Milieu Climate® with the Adapter Kit using the Smart Base only.

# Go to your AC indoor unit.

Go to your air conditioner indoor unit and open the access panel to the electronics board.

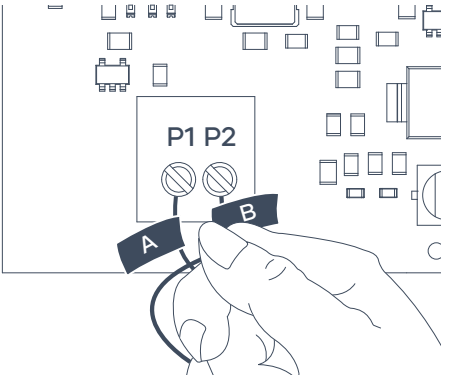


# Label your wire connections.

Locate where your wire connections are. These are the wires that are connected to your old wall controller.

Do not disconnect the wires during this step. Use the labels provided in the “Thermostat Installation Guide” to label 2 wires as “A” and “B”.

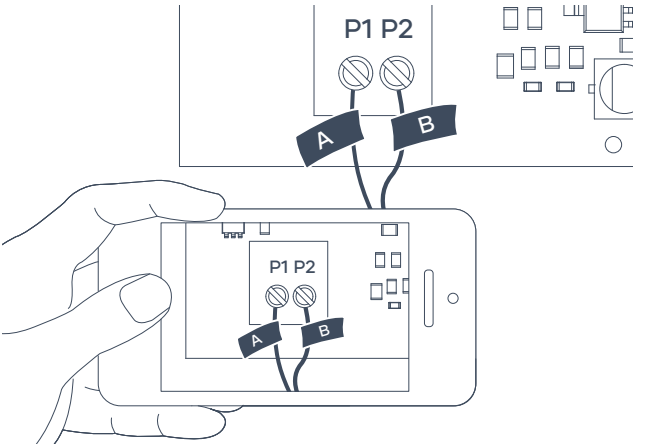
**NOTE:** Each AC manufacturer will have different connectors and wires. You only need 2 wires and you can label any 2 wires “A” and “B”.



# Note your labeled wires.

Take a photo of your labeled wire connections on your AC indoor board.

This photo reference will help you reconnect the wires to the Smart Base of your Milieu Climate® Smart Thermostat.



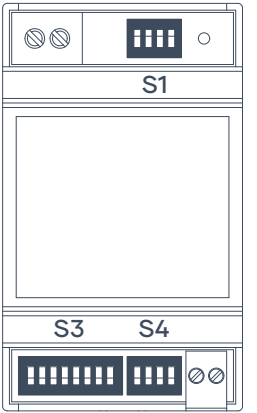
# Check your Intesis Box.

Get your Intesis Box.

**NOTE:** Your Intesis Box is specific to your AC manufacturer. This box has the right connections and settings for your AC unit.

Go to the wiring diagrams starting on page 16 and find the wiring diagram for your AC manufacturer. Check your DIP switch settings (S1, S3 and S4) are correct. These are the little switches on the Intesis Box.

**NOTE:** The DIP switches on the Intesis Box are also specific to your AC manufacturer.

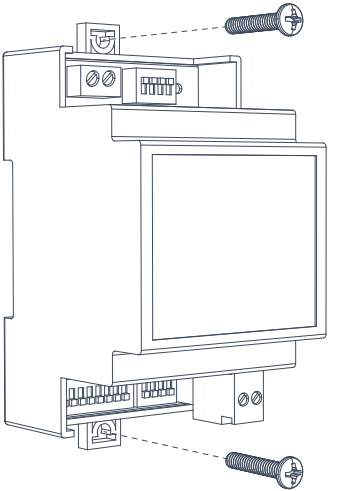



DIP switches shown may be different to your Intesis Box.

# Mount your Intesis Box.

Slide out the mounting clips on the bottom of your Intesis Box and use some screws (not supplied) to mount the box either inside your indoor unit or near your indoor unit.

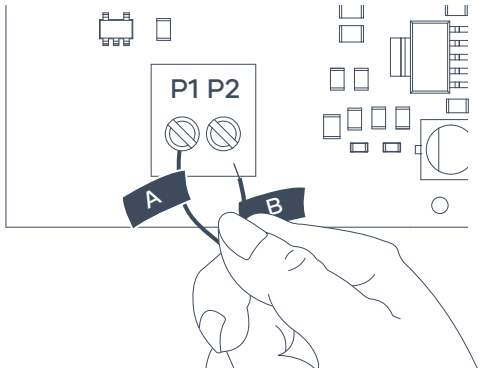
**NOTE:** The mounting clips require some force to slide out.



# Disconnect the indoor unit wires.

Disconnect the labeled wires.

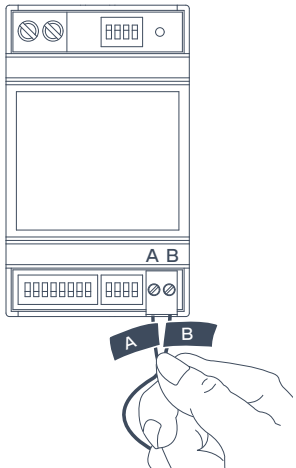
You will still need these wires for your new Milieu Climate® Smart Thermostat.



# Connect the wires to your Intesis Box.

Connect the wires you labeled to the Intesis Box.

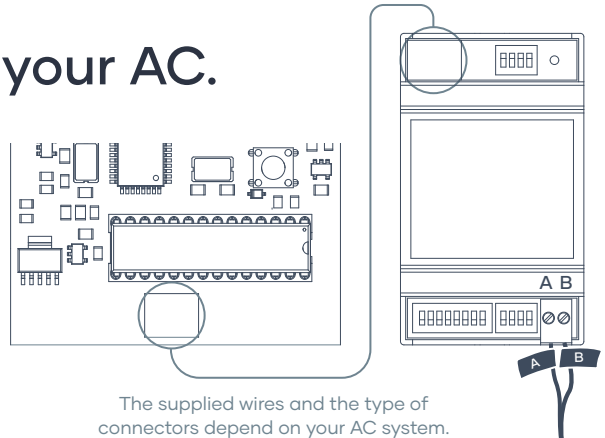
Match (A) and (B) on the labels to the A and B connectors on the Intesis Box.



# Connect your Intesis Box to your AC.

Using the supplied AC Cable to connect the Intesis Box to the indoor unit.

**NOTE:** Again, use the wiring diagram on page 16 that matches your AC manufacturer.

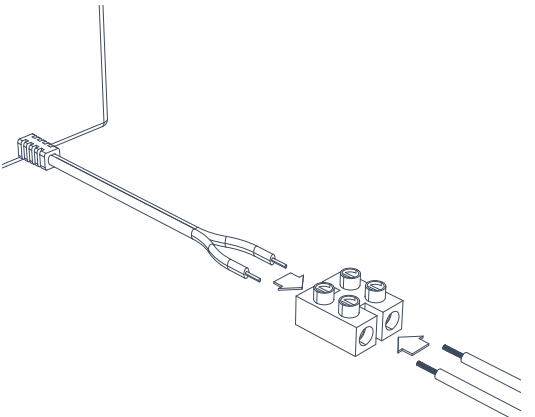



The supplied wires and the type of connectors depend on your AC system.

# Connect spare wires to the AC Adapter.

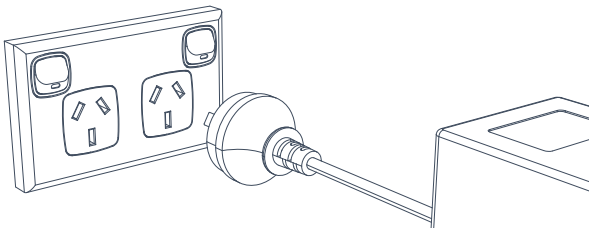
Get the 24VAC Adapter. Do not plug it in to the wall power outlet yet. Take the spare 2 wires you have, or the 2 new wires you installed through your wall and connect them to the 24VAC Adapter. For ease and simplicity use the supplied wire connectors.

**NOTE:** The polarity of the wires does not matter. Either wire can be connected to the 24VAC Adapter wires.



# Plug in the AC Adapter.

Once everything is connected as per the wiring diagram, plug in the AC Adapter to the wall outlet and switch it on.



**⚠ WARNING**

Please check and ensure power to the HVAC system is OFF. It is recommended to connect the AC Adapter to the same power supply circuit as the air conditioning system.

# Label old wall controller wires.

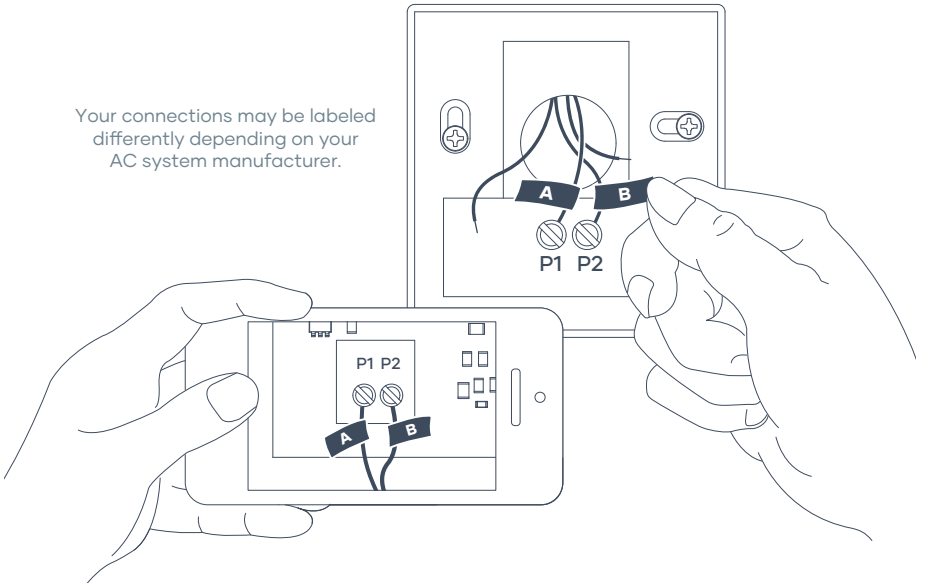
You have now completed all the wiring for your indoor unit. Please go to your old wall thermostat.

With the wires still connected, use the labels provided in the "Thermostat Installation Guide" to label the wires connected to your old wall controller.

**NOTE:** Use the photo you took of your labeled indoor unit connections to make sure you label each connection the same.

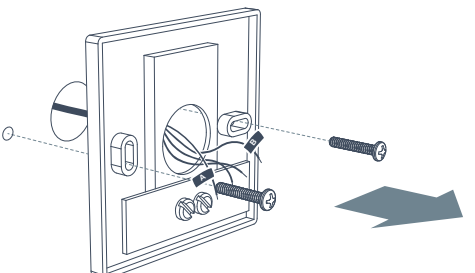
These labels will be useful as a reference to reconnect them to your new Milieu Climate® Smart Thermostat.

Your connections may be labeled differently depending on your AC system manufacturer.



# Remove your old wall controller base.

You can now disconnect the wires and remove your old wall controller base from the wall.



# Check your wires.

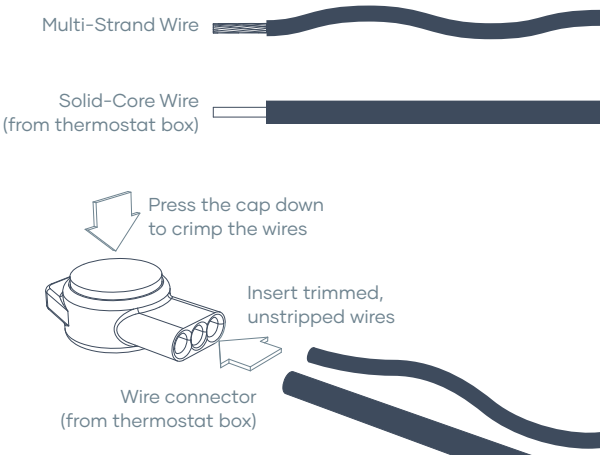
Please check if your wires are multi-strand wires or solid-core wires.

If they are solid-core wires please move to the next step.

If they are multi-strand wires, then these can be difficult to insert.

Please use the solid-core wires provided and connect them to your multi-strand wires using the wire connectors provided.

Please insert trimmed, unstripped wires into the wire connectors and press down the cap with parallel pliers to crimp the wires.

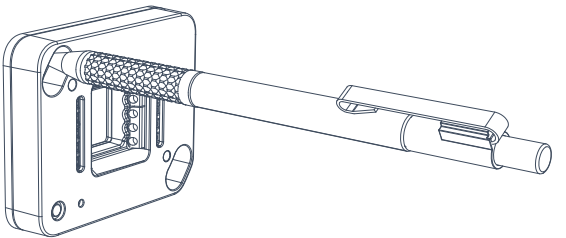

Multi-Strand Wire
Solid-Core Wire
(from thermostat box)
Press the cap down
to crimp the wires
Insert trimmed,
unstripped wires
Wire connector
(from thermostat box)

# Prepare to install your Smart Base.

Use the Smart Base to mark positions for screws on the wall.

You can use a bubble level to make sure Smart Base is level.

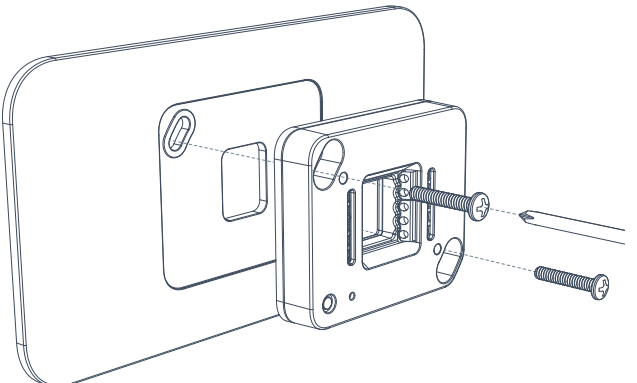
Depending on your wall material you can drill and secure your wall anchors.



# Using the Trim Plate?

You might want to use the Trim Plate in order to cover up holes in your wall from the old wall controller.

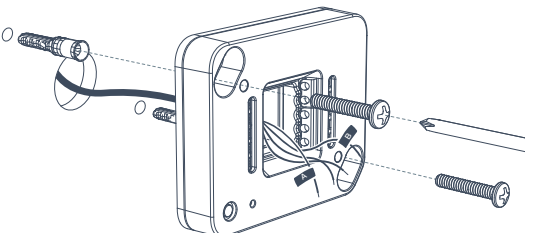
If so, place it on the wall first and screw the Smart Base over the top of the Trim Plate.



# Screw in your Smart Base.

Bring the wires through the centre opening in the Smart Base and attach the Smart Base to the wall using the supplied screws.

Again, depending on your wall material you may want to use the supplied wall plugs as well.

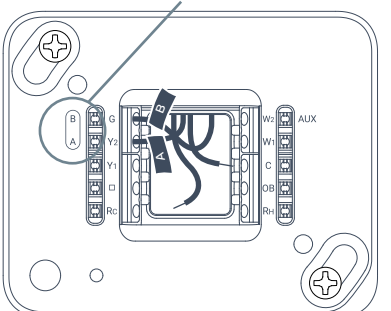


# Connect labeled wires.

Connect the labeled wires to the “A” and “B” terminals on the Smart Base.

**NOTE:** The Smart Base has magnets so it’s normal to feel metal tools pulled towards the Smart Base.

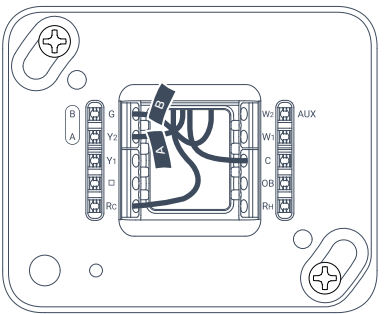
“A” and “B” labeled connectors on the Smart Base.



# Connect remaining wires.

Connect the remaining 2 wires to the “Rc” and “C” terminals of the Smart Base.

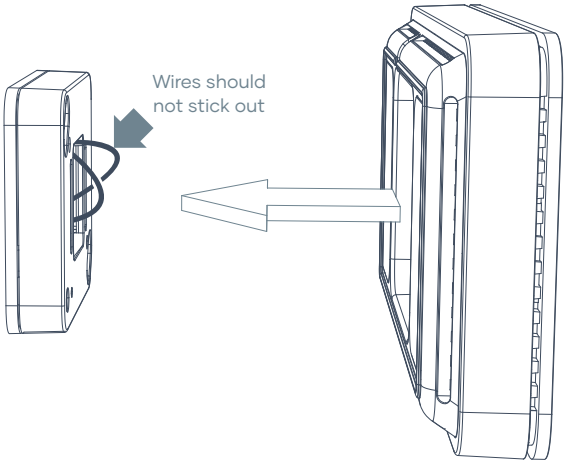
**NOTE:** The polarity of the wires does not matter. Either wire can be connected to the terminals.



# Bulging wires?

Carefully push any excess, bulging wires back through the hole so that they are not sticking out past the Smart Base.

**NOTE:** The Hub will be placed over the Smart Base. Any wires sticking out might prevent the Hub from powering up.

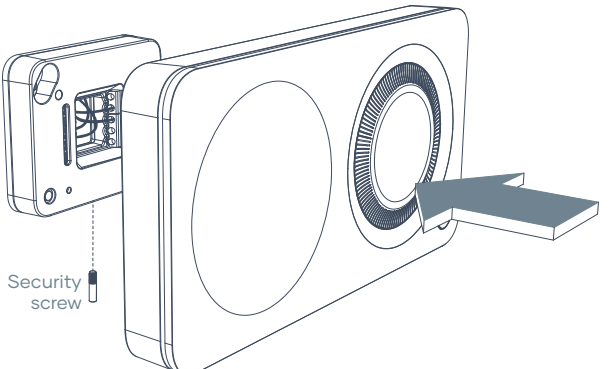


# Attach the Hub.

Place the Hub on the Smart Base. This can be placed with the screen on the left or on the right; as you like.

**NOTE:** After the logo boot-up screen the screen will automatically rotate right side up.

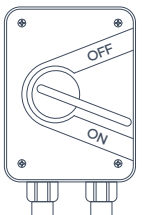
The Hub will be magnetically attached to the Smart Base.
If needed you can also secure the Hub with the supplied security screw.

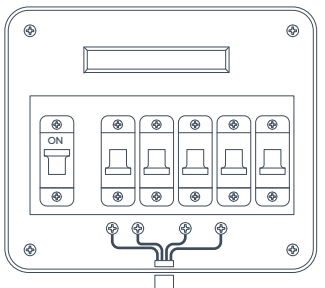


# Switch the power back on.

You can now switch the power back on to your HVAC system.

This can be done through the master switch on your HVAC system or your circuit breaker box.



# Power on!

Congratulations!
You just installed your new Milieu Climate® Smart Thermostat.

Press and hold the front button to power the unit on.

Please follow the on-screen instructions to set up your device.

# Fresh install with a Smart Base.

Please follow these instructions to do a fresh install of your Milieu Climate® and Adapter Kit.

# Commissioning your AC system.

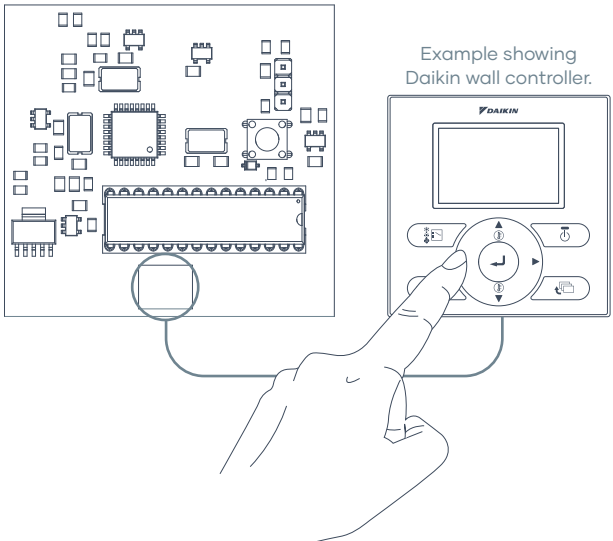
Before installing your new Milieu Climate® Smart Thermostat, you will need to change some settings on your AC system.

**NOTE:** You will need your AC system's supplied wall controller in order to make the necessary changes to the settings.

Based on your manufacturers instructions, connect the supplied wall controller to the indoor unit control board.

Please go to page 16 and find the commissioning notes and wiring diagram that corresponds to your AC system and follow the instructions.

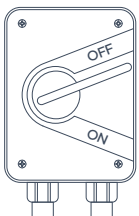
Once commissioning is complete, return to this section to continue the install.

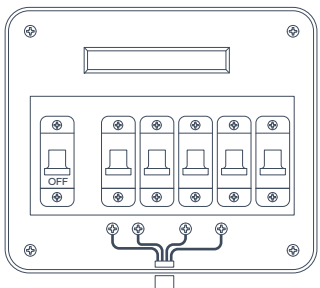

Example showing
Daikin wall controller.
DAIKIN

# Switch off the power.

For safety and security please switch off the power to your air conditioner system.

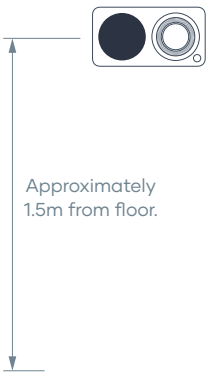
This can be done through the master switch on your HVAC system or your circuit breaker box.



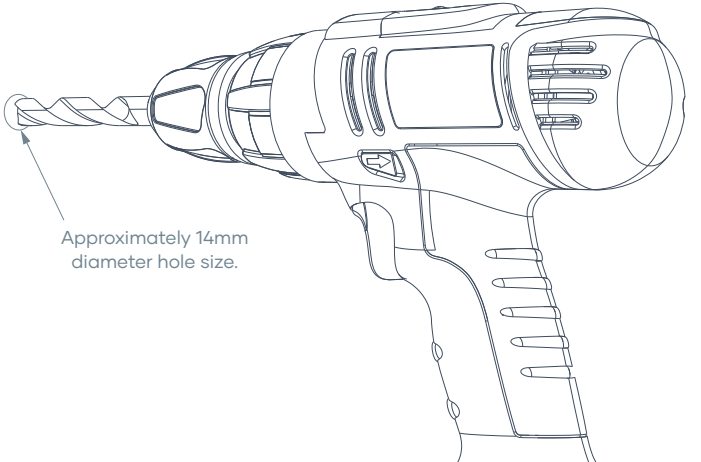
# Select a location for your thermostat.

Select a location for your new Milieu Climate® Smart Thermostat. We recommend a location that is about 1.5 meters above the floor and in an area with good air circulation.



# Drill a hole opening for the wires.

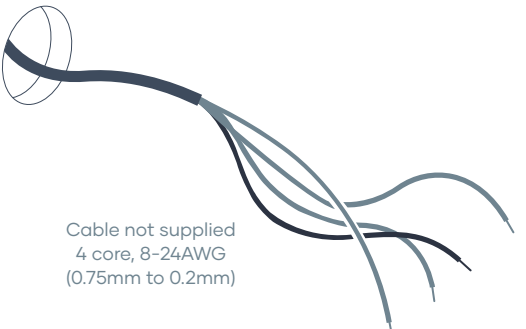
At your selected location, drill a 14mm diameter hole in your wall to allow the new cables to come through.



# Install a 4-core cable.

Install a solid 4-core, multi-coloured cable through the wall from your thermostat location to the AC indoor unit. We recommend a 18-24AWG (0.75mm to 0.2mm) solid core cable.

Bring out 75-100mm of cable through the hole opening at the thermostat location. Strip the wire ends exposing about 6mm of solid core wire.



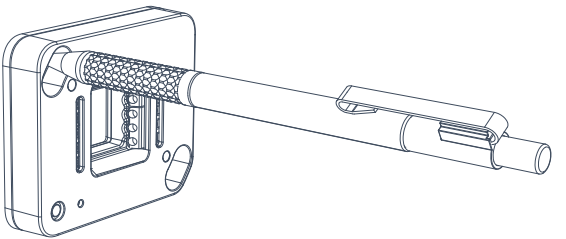
Cable not supplied
4 core, 8-24AWG
(0.75mm to 0.2mm)

# Prepare to install your Smart Base.

Use the Smart Base to mark positions for screws on the wall.

You can use a bubble level to make sure Smart Base is level.

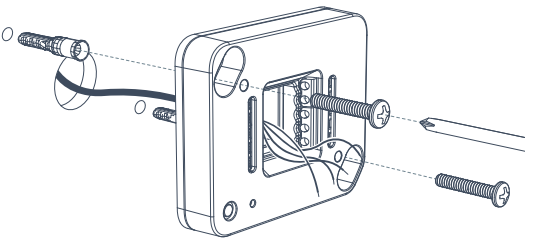
Depending on your wall material you can drill and secure your wall anchors.



# Screw in your Smart Base.

Bring the wires through the centre opening in the Smart Base and attach the Smart Base to the wall using the supplied screws.

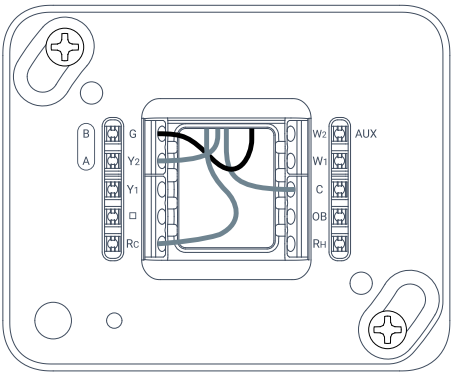
Again, depending on your wall material you may want to use the supplied wall plugs as well.



# Connect the wires.

Connect all the wires to the Smart Base as shown.

**NOTE:** All AC systems, regardless of the brand or manufacturer will need the same connections to the Smart Base.

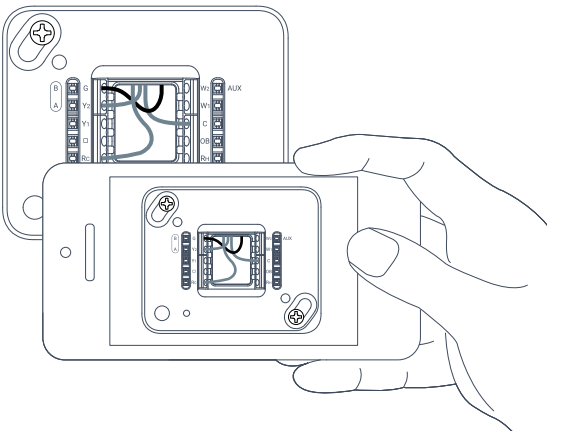


# Note your wire connections.

Take a photo of your wire connections on your Smart Base.

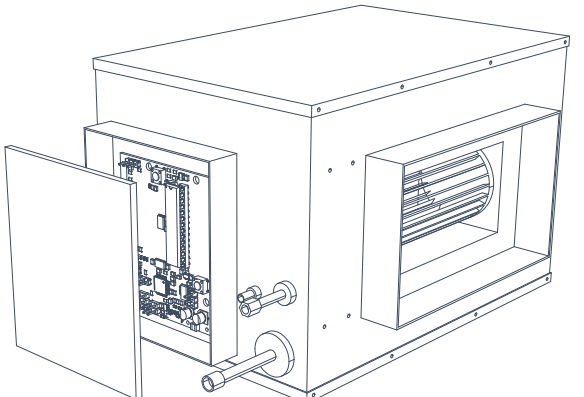
You will need to notice the colours connected to each terminal.

This photo reference will help you reconnect the wires to your AC system indoor unit.



# Go to your AC indoor unit.

Go to your air conditioner indoor unit and open the access panel to the electronics board.



# Check your Intesis Box.

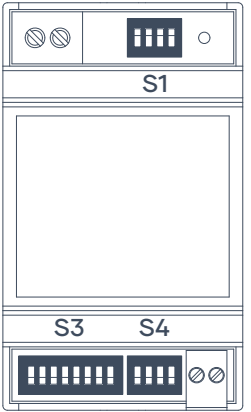
Get your Intesis Box.

**NOTE:** Your Intesis Box is specific to your AC manufacturer. This box has the right connections and settings for your AC unit.

Go to the wiring diagrams starting on page 16 and find the wiring diagram for your AC manufacturer.

Check your DIP switch settings (S1, S3 and S4) are correct. These are the little switches on the Intesis Box.

**NOTE:** The DIP switches on the Intesis Box are also specific to your AC manufacturer.

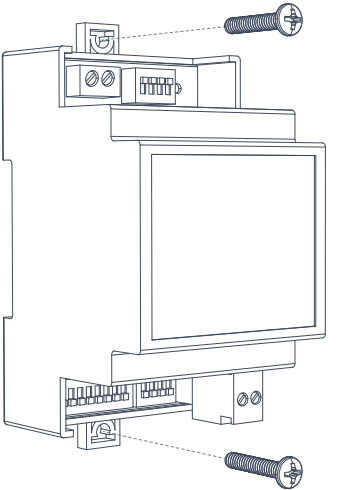



DIP switches shown may be different to your Intesis Box.

# Mount your Intesis Box.

Slide out the mounting clips on the bottom of your Intesis Box and use some screws (not supplied) to mount the box either inside your indoor unit or near your indoor unit.

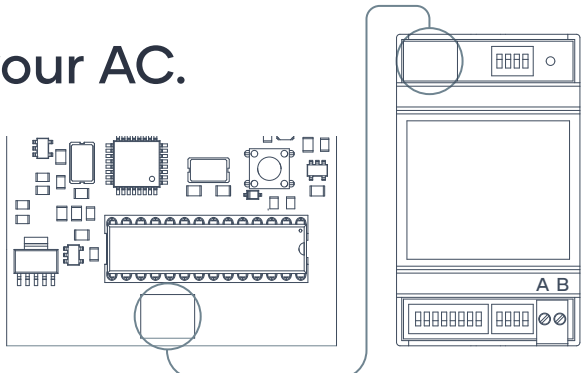
**NOTE:** The mounting clips require some force to slide out.



# Connect your Intesis Box to your AC.

Use the supplied AC Cable to connect the Intesis Box to the indoor unit.

**NOTE:** Again, use the wiring diagram on page 16 that matches your AC manufacturer.

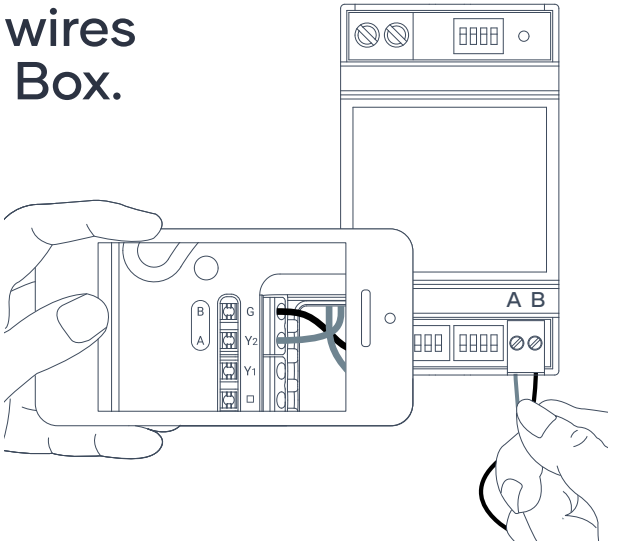



The supplied wires and the type of connectors depend on your AC system.

# Connect your wires to your Intesis Box.

Using the photo you took of the Smart Base connections, find the 2 wires that were connected to the “A (Y2)” and “B (G)” terminals.

Connect them to the “A” and “B” terminals on the Intesis Box.

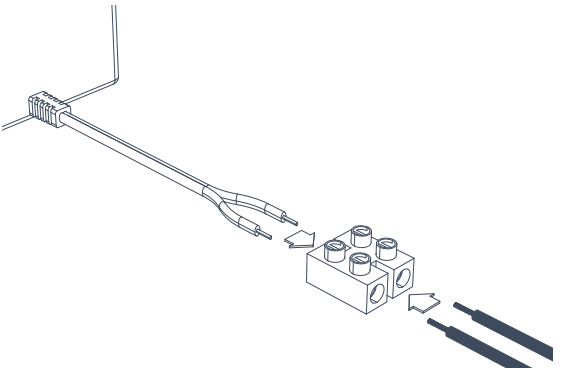


# Connect your wires to the AC Adapter.

Get the 24VAC Adapter. Do not plug it in to the wall power outlet yet.

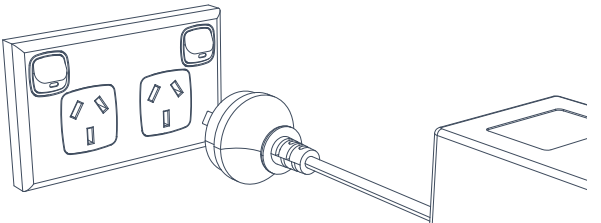
Take the remaining 2 wires from your Smart Base and connect them to the 24VAC Adapter. For ease and simplicity use the supplied wire connectors.

**NOTE:** The polarity of the wires does not matter. Either wire can be connected to the 24VAC Adapter wires.



# Plug in the AC Adapter

Once everything is connected as per the wiring diagram, plug in the AC Adapter to the wall outlet and switch it on.



**⚠ WARNING**

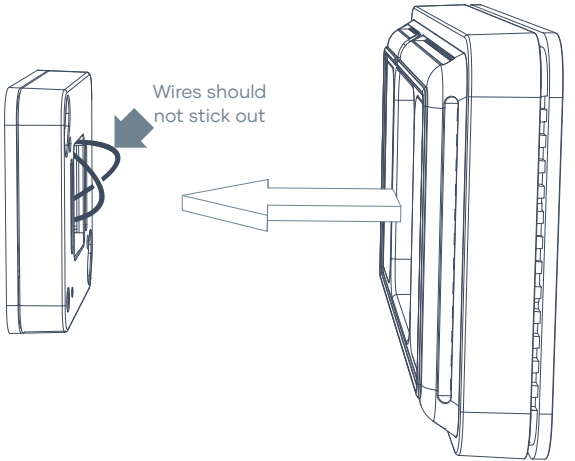
Please check and ensure power to the HVAC system is OFF. It is recommended to connect the AC Adapter to the same power supply circuit as the air conditioning system.

# Bulging wires?

You are now ready to attach the Hub.

Carefully push any excess, bulging wires back through the hole so that they are not sticking out past the Smart Base.

**NOTE:** The Hub will be placed over the Smart Base. Any wires sticking out might prevent the Hub from powering up.

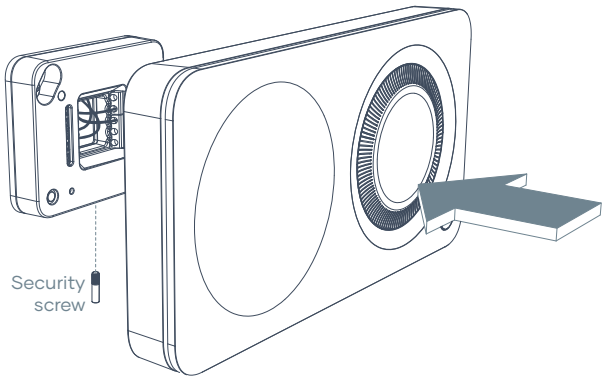


# Attach the Hub.

Place the Hub on the Smart Base. This can be placed with the screen on the left or on the right; as you like.

**NOTE:** After the logo boot-up screen the screen will automatically rotate right side up.

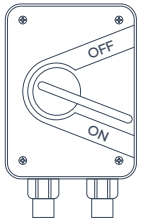
The Hub will be magnetically attached to the Smart Base.
If needed you can also secure the Hub with the supplied security screw.

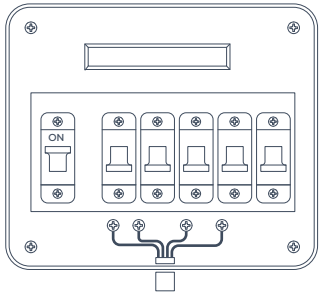


# Switch the power back on.

You can now switch the power back on to your HVAC system.

This can be done through the master switch on your HVAC system or your circuit breaker box.



# Power on!

Congratulations!
You just installed your new Milieu Climate® Smart Thermostat.

Press and hold the front button to power the unit on.

Please follow the on-screen instructions to set up your device.

# Troubleshooting.

## Check Technical info screen under settings on Milieu Climate®.

→ Check for any errors being displayed.

## Milieu Climate® cannot detect my air conditioner.

→ Make sure wiring polarity is correct between components.

## Milieu Climate® will not control the air conditioner.

→ Make sure the original AC wall control is not left connected in the system. This can cause malfunction depending on system configuration.

## Air conditioner not following Hub set temperatures.

→ Make sure the air conditioner is correctly configured, for using the Milieu Climate® temperature sensor. Check the commissioning instructions for your brand.

## Changed DIP switches on Intesis box but still does not work.

→ Intesis box needs to be powered off and back on for DIP switches to take effect

## Experience any problems.

→ If you are experiencing problems with system operation, try resetting the power to your air conditioner and controls.

# Need more help?

Visit milieulabs.com.au/support

Email support@milieulabs.com.au

Call +61 2 9659 7438

# Warranty.

This Milieu Labs® manufacturer warranty (the "Warranty") is granted by Milieu Labs® ("Milieu Labs Pty Ltd") to "You", the purchaser of the newly manufactured Milieu Climate® Smart Thermostat, subject to the following terms and conditions. Services under this Warranty will be rendered by Milieu Labs® accredited Service Agents and Repair Centres.

## Warranty period of the Product

This warranty applies to the Milieu Climate® Smart Thermostat parts for a period of 2 years from the date of purchase. If proof of purchase cannot be provided, the manufacture date of the Product will be considered as date of purchase.

## Statutory Guarantees

Milieu Labs® goods and services come with guarantees that cannot be excluded under the Australian Consumer Law.

For major failures with the service, you are entitled:

- → to cancel your service contract with us; and
- → to a refund for the unused portion, or to compensation for its reduced value.

You are also entitled to choose a refund or replacement for major failures with goods. If a failure with the goods or a service does not amount to a major failure, you are entitled to have the failure rectified in a reasonable time. If this is not done, you are entitled to a refund for the goods and to cancel the contract for the service and obtain a refund of any unused portion.

You can find more information about the Australian Consumer Law on the ACCC website: accc.gov.au (see under "For Consumers" tab). Milieu Labs Pty Ltd offers this Warranty in conjunction with any guarantees imposed by the Australian Consumer Law.

## General

Milieu Labs® warrants the Product to be free from defects in workmanship and materials for the Warranty Period. The Warranty does not cover bundled accessories, which were delivered together with the Product such as: cables, etc. If the Product fails during normal and proper use within the Warranty Period, Milieu Labs® will repair or replace the defective parts of the Product, or the Product itself, with new or reconditioned parts or products that are functionally equivalent or superior to those originally supplied.

This Warranty applies only if the Product was newly manufactured on the date of purchase. Please keep the original purchase invoice and this warranty card for future service request. This Warranty does not include failure caused by improper installation, operation, cleaning or maintenance, accident, damage, misuse, abuse, non-Milieu Labs® modifications to the product, normal wear and tear or any other event, act, default or omission outside Milieu Labs®' control.

All components repaired or replaced by an Milieu Labs® accredited Repair Centre will be under warranty for the remaining period of Warranty, or for no less than 3 months.

If the Product is under Warranty, You hereby agree to transfer the ownership of replaced defective parts and such parts shall automatically become the property of Milieu Labs®.

## Customer Responsibility

### When using the Product

- Read the user manual first and use the Product only according to the user manual.
- Keep the original packaging. In case the Product needs to be returned for repair, original packaging provides a better protection for the Product during transportation.
- Please check the manual and Milieu Labs® support website for predefined solutions, before contacting the customer service.

### When contacting Milieu Labs Customer Service

- Before contacting Milieu Labs® technical support, ensure that You have the Product in front of You and that it is turned on, if feasible. Please also be ready to provide the Product's serial number, the model name and proof of purchase.
- Technical support hotline phone number can be found in the 'Need more help?' section of this booklet.
- You will be required on request of Milieu Labs® to support with troubleshooting of the Product, which may include for example below types of actions
  - Running diagnostic tools and programs on the Product
  - Performing other reasonable activities requested by Milieu Labs®, which will assist in identifying or resolving the problems
- If the problem is not solved remotely, Milieu Labs® will issue a RMA number for Your Product. Please record Your RMA Number for service case tracking purposes.

- Describe the problem clearly and completely on the RMA request form
- Enclose a copy of this completed warranty card and a copy of Your sales invoice/receipt detailing the purchase of Your Product. (Please note: Milieu Labs® reserves the right to request the original documents.) If You do not provide the requested documents for warranty validation, then the manufacture date of the Product as recorded by Milieu Labs® will be deemed to be the date of purchase.
- Pack the Product with its original packaging. The original packaging will provide better protection for the Product during delivery. If the Product is not packaged properly in its original box, Milieu Labs® will not be liable for any damage occurred during transit. Please do not send in anything but the Product itself unless specially requested by Milieu Labs®. Please remove any accessories from the Product. Milieu Labs® shall have no liability for the loss, damage or destruction of accessories unless they are caused by wilful or gross negligent acts by Milieu Labs®.

## Exclusions from this limited Warranty

Milieu Labs® does not warrant uninterrupted or error-free operation of this Product. The warranty only covers technical hardware issues during the warranty period and in normal use conditions.

It does not apply to customer induced damages or circumstances such as but not limited to:

- the Product has been tampered, repaired and/or modified by non-authorised personnel;

- the serial number of the Product, components or accessories has been altered, cancelled or removed;
- the warranty seals have been broken or altered;
- obsolescence;
- damage (accidental or other) to the Product that is cosmetic, meaning damage that does not impact the operation and functioning of the Product, such as without limitation to rust, change in colour, texture or finish, wear and tear, gradual deterioration;
- damage to the Product caused by war, terrorism, fire, accident, natural disaster, intentional or accidental misuse, abuse, neglect or improper maintenance, use under abnormal conditions;
- damage to the Product caused by improper installation or improper connection;
- damage to the Product caused by an external electrical fault or any accident;
- damage to the Product resulting from use outside of the operation or storage parameters or environment detailed in the User's Manual;
- In-usability of or damage to the Product caused by contamination with hazardous substances, diseases, vermin or radiation.
- fraud, theft, unexplained disappearance or wilful act;

Except as provided in this warranty and to the maximum extent permitted by law, Milieu Labs® is not responsible for direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or under any other legal theory, including but not limited to loss of use; loss of revenue; loss of actual or anticipated profits (including loss of profits on contracts); loss of the use of money;

loss of anticipated savings; loss of business; loss of opportunity; loss of goodwill; loss of reputation; loss of, damage to or corruption of data; or any indirect or consequential loss or damage whatsoever caused including the replacement of equipment and property, any costs of recovering or reproducing any data stored on or used with the Product. The foregoing limitation shall not apply to death or personal injury claims, or any statutory liability for intentional and gross negligent acts and/or omissions by Milieu Labs®. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages; to the extend such jurisdiction is governing this Warranty the above limitations do not apply to You.

## Out of Warranty Cases:

Returning the Product to the Milieu Labs® Repair Centre during the warranty period does not automatically mean that it will be repaired free of charge. Upon receiving Your Product, Milieu Labs® reserves the right to check the validity of Your Warranty and Your request for Warranty service.

If Your service request is found to be out of Warranty a Service Charge List with an offer for repair will be provided to You. You have the right to accept or reject the repair offer.

If You accept the repair, we will invoice You for the repair labour, spare parts and other costs stated in the Service Charge List. You must pay the invoice within 4 weeks of the date of issue of the invoice.

In the event that You reject the repair although it was reasonably identifiable for You at the time You returned the Product to the Milieu Labs® Repair Centre that Your service request is out of Warranty, we reserve the right to invoice You with the handling and storage costs.

The Product will only be returned after receiving the invoiced amounts from You.

If You do not pay the invoice by the due date, and the invoice amounts exceed the remaining value of the Product, You agree to transfer the ownership of the Product to Milieu Labs® in order to settle the invoice.

## Making a Warranty Claim

To make a claim You can do one of the following things:

- → contact our team by telephone on +61 2 9659 7438; or
- → contact our team by email at support@milieulabs.com.au; or
- → visit Your retailer (place of purchase) and lodge the claim personally with retail staff.

When You lodge Your claim, You should provide a full description of the Product and the reason for the claim.

Once You have lodged Your claim, we will ask You to return the Product. To return the Product, You can do one of the following things:

- → return the Product to Your retailer (place of purchase); or
- → arrange for the Product to be delivered to Milieu Labs® (at Your own expense); or
- → request that Milieu Labs® arrange a courier to collect the Product from You (This applies only if the Product is covered under the Warranty. Milieu Labs® will bear this cost); or
- → return the Product to Your local Milieu Labs® Service Centre.

You will need to present Your receipt as proof of purchase in order to make a claim under the Warranty. You can do this by:

- → emailing a copy of the receipt to us at [Service/Support email address]; or

- including a copy of the receipt with the Product if it is delivered to Milieu Labs® for repair; or
- providing a copy to Milieu Labs® Service Centre staff if You return Your Product to Your local Milieu Labs® Service Centre.

We will then assess Your claim and notify You whether it is covered under the Warranty. The decision whether to repair or replace a Product is at our sole discretion unless there is a "major failure" as defined in the Australian Consumer Law.

If the claim is approved, we will deliver the repaired or replaced Product back to You at our own cost. You will need to provide us with Your contact details so that we can return the Product to You.

If the claim is rejected and we determine the Product is not covered under the Warranty, we will deliver the Product back to You. This will be at Your expense. If Your claim is not covered, Milieu Labs® will offer to repair the Product at Your expense.

Please note that our courier service is limited to areas within Australia that are accessible by our couriers. For more information please contact our team on +61 2 9659 7438.

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