CAN WE HELP?

Your MC6 Touch Screen Controller comes with a
three year warranty from date of purchase.
If you have any problems of installing or programming
your MC6 Touch Screen Controller, call our dedicated
technical support team, who will be
more than happy to help.

MC6™
Colour Touch Screen Thermostat

Ver 1.1

WELCOME

The MC6 Touch Screen Controller makes smart high performance heating/cooling easier than ever. This guide tells you everything you need to know.

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Feature Settings

Main Display

01 WiFi indicator- The Wi-Fi indicator display will not be flashing when connected to the Wi-Fi Network.

02 Hold: Temperature Hold.

03 Adjusting the optional settings.

04 Day Indicator&Clock.

05 Away: Means the MC6 is maintaining a lower temperature to give frost protection. Allows also a user preset set-back Temperature while AWAY from the House.

06 OPT(Optimum): Dispalyed ON/OFF of the "Optimum Start".

07 Air Humidity:
(1) If humidity value less than 30%, the pointer will be in the Red area.
(2) If humidity value is between 30% and 60%, the pointer will be in the Green area.
(3) If humidity value is more than 60%, the pointer will be in the Grey area.

08 Power ON/OFF.

09 Holiday: Displayed when thermostat is in holiday mode.

10 Schedule: Programmable Operation.

11 Menu Button.

12 Adjusting the Setting Temperature or Turn Page.

13 Adjusting the Setting Temperature or Turn Page.

14 Setting Temperature display.

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Introduction
Benefits of Programmable Thermostats

A programmable thermostat helps make it easy for you to save by offering four pre-programmed settings to regulate your home's temperature in both summer and winter - when you are home, asleep, or away.

The pre-programmed settings that come with programmable thermostats are intended to deliver savings without sacrificing comfort. Depending on your schedule, you can see significant savings by sticking with those settings or adjust them as appropriate for your family.

The key is to establish a program that automatically reduces heating and cooling in your home as your required.

Mode Selection

There are two modes in MC6 for user to select: Thermostat mode and Timer mode.
Thermostat Mode (Fully Programmable Mode) – Allows Time and Temperature Settings to be made. This allows the thermostat to be programmed to a specific temperature during a specific time.
Time-clock Mode – Allows for the Time ONLY setting to switch ON or OFF as desired. This Mode ignores any temperature.
To change between Thermostat and Time-clock Modes:
Follow these steps (Use your finger as the screen is Touch Sensitive).

01 Press the ⚙ icon and enter Feature Settings.

02 Use the ◁ ▷ icons to turn to page 4. Find 'Work Mode' Selection, press it and enter Selection Interface.

03 Select 'Heating Mode' or 'Timer Mode' the thermostat will re-set and enter the desired Mode.
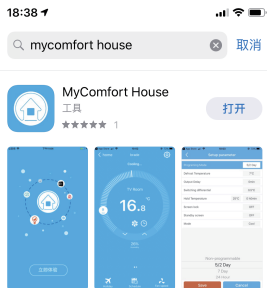
GETTING STARTED

Pairing the MC6 Thermostat with the App

the router needs to be 2.4G band only

Download the free MC6 App from the Apple Store or the Google Play Store by searching "MyComfort House."

APP Operation 01-07

Please Enable the "Location" to MyHouse App in your mobile settings before any operation, or else the GEO distance will not correct.

01   Open the MyHouse and register your account.

02   Log into your account.

03   Press the ⊕ Icon on App home screen.

Press "Location Name" to add the Location, for example Home/Office etc.

Press ⊕ icon to confirm the property.

Press ↰ icon to go back to the main screen.

04   Press the ⊕ icon on App home screen to enter the "Add Device" screen.

05   Select "Smart Config" optioin on Add device screen.

Press the bottom button "Add device location to enter WiFi configuration.

06	Enter the Wi-Fi password (please ensure this router password must be correct).

Press the button"Next" on the bottom to enter "Pairing device" screen.

07	Waiting for thermostat feedback on the "Pairing device" screen, the count down time is 120 seconds, if pairing failed please check the Wi-Fi password and pair again.

**Thermostat Operation**

08	On the MC6 Home scren , press the ⚙ icon and enter "Feature Settings".

09	Find " **Pair to App(Smart Config)** " and press it.

10	Wait for the devices to pair,(This may take serveral minutes to activate).

11	The App will display "Connected to the Wi-Fi" and will display "App Matching Success" on the controller .

Operation of Main Display

➜ Hold Mode

The function has a relatively high priority, say, whatever setting you have made, when you switch the thermostat to Hold mode, all the pre-settings done before will be temporarily ignored, except hold temperature , which will maintain until the end of the "hold period" you set.

01	Press the "Hold" and enter the setting interface.

02	Press the First column of "Hold Temp" , use the icon ◁ ▷ to set the desired Hold Temperature. (Temperature Range 5℃-35℃).

03	Press the Second / Third columns of Hour/Minute, use the icon ◁ ▷ to set the desired "Hold Time".

04	Press the icon ⇦ to save and return to main display, or press the " Cancel " to delete the setting.

You will see the "HOLD Left: **:** " indication is displayed on screen. The time will count down the set duration and then revert to the normal program.

✈ Holiday Mode

The MC6 will maintain this temperature for the duration of the holiday and will then automatically return to the program mode on your return.

01 Press the "Holiday" and enter setting interface.

02 Press the column of Years / Month / Day, Use the icon ◁ ▷ to set the Year / Month / Day values under Holiday Start.

03 Press the column of Years/Month / Day, Use the icon ◁ ▷ to set the Year / Month / Day values under Holiday End.

04 Press the icon ↩ to save and return to main display. Displayed" Holiday until **/** **:**" or Press the "Cancel" to delete the setting.

🏠 🚶 Away Mode

01 When user switches the thermostat to away mode, the thermostat will still protect itself from frost after the defrost temperature is set. When temperature is lower than the set defrost temperature, heating will be turned on, meanwhile, the flame icon will be displayed on the thermostat.

02 The thermostat automatically enters the Defrost mode when "Away Mode" is selected.

Schedule

01 Press the icon ⚙ and enter Feature Settings.

02 Find the "Schedule" option, Press it and enter setting interface. There are four Options:
Weekday / Weekend, 7Days, 24Hours, None

03 For example, Setting the program Mode to 7Days.

04 Press the icon ◯ in the front of 7 Days, and it will turn to ◉.

05 Press the icon ⬱ to save and return to main display.

06 Press the "Schedule" on the Main Display, and enter "Edit" interface.

07 On the Edit Page, From Monday to Sunday can be selected to edit.

08 Press "Monday" and enter Monday's setting interface, Four Time Periods , which can be selected

09 There are Four Time Periods can be selected:
Morning / Day / Evening / Night
(Each Time Period has ◯ ◯ Options)

In the program of Monday:

01 **Morning:** ⬤

Press the First Column of 'Time' use the icon ◁ ▷ to set desired "Hour" Press the Second Column of 'Time' use the icon ◁ ▷ to set desired Minute.

For Example: The Setting Time is 04 (Hour): 00 (Minute)
Press the Third Column of 'Temperature' use the icon ◁ ▷ to set desired Temperature.
For Example: The Setting Temperature is 27℃

02 Day

The same as Program Morning procedures.
For Example: The Setting Time is 10 (Hour):40 (Minute)
For Example: The Setting Temperature is 24℃

03 Evening

The same as Program Morning procedures.
For Example: The Setting Time is 20 (Hour):30 (Minute)
For Example: The Setting Temperature is 26℃

04 Night

The same as Program Morning procedures.
For Example: The Setting Time is 24 (Hour):00 (Minute)
For Example: The Setting Temperature is 28℃

Four Time Periods

04:00-10:40: During this time period the temperature will remain at 27℃

10:40-20:30: During this time period the temperature will remain at 24℃

20:30-24:00: During this time period the temperature will remain at 26℃

24:00-04:00: During this time period the temperature will remain at 28℃

Optional Functions

01 Program Mode:

Program Mode: MC6 thermostat provides three programming modes and also can be set to non-programmable thermostat Weekday / Weekend (5 + 2) Programming - Allows you to edit the 4 time periods for the weekdays and 4 time periods for Saturday & Sunday.

7 day programming mode can be programmed Each day with 4 time periods.

24 hours mode -Every day can be edited with 4 time periods.

02 Defrost:

This is the temperature maintained when the thermostat is in Away Mode. The range is 7-17℃. The default is 7℃ and is suitable for most applications (can be adjusted) .

03 **Temperature Format:** Selecting between ℃ and ℉.

04 **Switch Diff:** With a set temperature of 20 degrees, as we know, the room temperature is lower than 20 degrees, heating function will be triggered, however, how much lower will trigger the heating is a question, thus we need a parameter to define it, that is switch the differential. When we set it as 0.5, the heating will be triggered at 19.5 degrees, when we set it as 1, the heating will be triggered at 19 degrees, in the above two cases, the heating will both stop when room temperature reaches 20 degrees.

05 **Output Delay:** To prevent rapid switching, an output delay can be entered. This can be set from 0-15 minutes. (The default is 00, means no delay) This function helps to prevent system 'Short-cycling'.

06 **Sensor Selection:** There are three sensor modes selectable:

1. Air temperature sensor
2. Floor temperature sensor
3. Air temperature sensor and floor temperature sensor

When you select the third sensor mode, that is, "Air temperature and floor temperature", floor sensor will take charge of sensing and monitoring the temperature beyond the set limit which would do harm to the floor itself or even dangerous to people in the room.

07 **Floor Temp Limit：** To trigger this function user have firstly to enable the floor senor, the default value of the floor temperature limit is 28, the user can adjust it to the value from 20 to 45 degrees as per personal needs.

Note: The Air Sensor must not be used for controlling electric underfloor heating . Only floor sensors are available or both (Remote Air& Floor Sensor)should be used.

08 **Optimum Start：** MC6 makes use of the rate of change previously figured out to further calculate how far ahead of time the heating function should be triggered in order to maximize the energy conservation as well as be able to make the house warm and comfortable at designated time. For example, if the rate of change is 20, that is to say, it will take 20 minutes to realize the rise of 1 degree. Then MC6 can further figure out how far ahead of time the heating function has to be triggered to make the room comfortable on the premise of energy saving.

09 **Rate of Change:** It represents how long it will take to realize the rise of 1 degree.

10 **Ambient Light Dimming:** When this function is enabled, the light sensor will detect when to dim the backlight if the ambient light levels drop. If you turn the room lights off, the backlight will dim so the MC6 does not light up the room.

Feature Settings

🕐 Clock Setting

To set the clock, follow these steps.

01 Press the icon ⚙ and enter Feature Settings.

02 Press The "Clock Setting" and enter Setting Interface

03 Press the column of Year / Month / Day, use the icon ◁ ▷ to set the Year / Month / Day values.

04 Press the column of "Time", use the icon ◁ ▷ to set Hours / Minute.

05 Press the icon ↩ to save and return to main display.

Backlight Setting

01 Press the icon ⚙ and enter Feature Settings.

02 Press "Backlight" Selection and enter Backlight Setting.

03 Ambient Light Dimming is in 🔘 Mode: Automatically adjust the backlight brightness.

04 Ambient Light Dimming is in 🔘 Mode: Manually adjust the backlight brightness.

05 Use the icon ◁ ▷ to adjust to the desired brightness.

06 Press the icon ↩ to save and return to main display.

Standby Screen

01 Press the icon ⚙ and enter Feature Settings.

02 Press "Standby Screen" and enter Setting interface.

03 There are Four Selection(3Min, 10Min, Just Night, Never) to control the Standby Screen Time.

04 For example, setting the standby time is for 10 minutes Press the icon ○ in the front of "10 Min" and it will turn to ◉ .

05 Press the icon ↩ to save and return to main display.

🔒 Screen Lock

01 Press the icon ⚙ and enter Feature Settings.

02 Press "Screen Lock" and enter setting interface.

Lock Pin 🔘⬜ **Options**

03 For example, Setting the Lock Pin is 5209
Press the First Column use the icon ◁▷ to set to 5
Press the Second Column use the icon ◁▷ to set to 2
Press the Third Column use the icon ◁▷ to set to 0
Press the Fouth Column use the ◁▷ to set to 9

04 Press the icon ↩ to save and return to main screen.
Note: To unlock the MC6 press . The display will show and you will need to enter the four digit pin number you set previously.
Master key is 8657

🌡 Temperature Format

01 Press the icon ⚙ and enter Feature Settings.

02 Find the "Temp Format" option, Press it and enter setting interface.

03 There are two Options ℃ / ℉

04 Press the icon ◯ in the front of ℃ or ℉ and it will turn to ◉ .

05 Press the icon ↩ twice to save and return to main screen.

Temperature Limit

01 Press the icon ⚙ and enter Feature Settings.

02 Find the "Temp Limit" option, Press it and enter setting interface.

03 Press the First Column use the icon ◁ ▷ to adjust Minimum Temperature to 5-34℃ .

04 Press the Second Column use the icon ◁ ▷ to adjust Maximum Temperature to 6-35℃ .

05 Press the icon ↩ twice to save and return to main screen.

Defrost

The thermostat automatically enter the Defrost Mode when the room temperature drops below the defrost temperature.

01 Press the icon ⚙ and enter Feature Settings.

02 Find the "Defrost" option, Press it and enter setting interface.

Temperature 🔘 🔘 **Options.**

03 Use the icon ◁ ▷ to adjust the temperature.

04 Press the icon ↩ twice to save and return to main screen.

NTC Sensor Selection, Temperature Calibration

There are five options: Press it to enter the Calibration screen
Built in Sensor(Default): Press it to entry calibration screen
Remote Air Sensor: Press it to entry calibration screen
Floor Sensor Only: Press it to entry calibration screen
Built in &Floor Sensor
Remote Air &Floor Sensor

01 Press the icon ⚙ and enter Feature Settings.

02 Find the "Sensor Selection" option, Press it and entry in setting interface.

03 Press the icon ○ of which sensor you required.

04 Press the icon ⬅ twice to save and return to main screen.

Floor Temperature Limit

01 Press the icon ⚙ and enter Feature Settings.

02 Find the "Floor Temp Limit" option, Press it and enter the setting interface

03 Use the icon ◁ ▷ keys to set the temperature.

04 Press the icon ⬅ twice to save and return to main display.

DST Daylight Saving Time

01 Press the icon ⚙ and enter Feature Settings.

02 Press "DST" and enter setting interface.

Auto DST ⬤ ◯ **Options**

03 There are three options:

   European Union/US&Canada/Australia&New Zealand

04 Press the icon ◯ in the front of "EU / U&C / A&Z" and it will turn to ⬤ .

05 Press the ↰ Keys to save and return to main screen.

ⓘ System Information

01 Press the icon ⚙ and enter Feature Settings.

02 Press "System Information" and enter interface, and it shows Version Number.

03 Press the ↰ Keys to Exit.

↻ Reset To Factory Settings

01 Press the icon ⚙ and enter Feature Settings.

02 Press ↻ and enter setting interface.

03 Press "Reset" to factory settings.

04 Press the ⇦ Keys to Exit.

Warning:Reset will make you lose the current Settings and return to the factory Settings.

ⓠ **Installation**

Install the thermostat at the visual level Or as required by your Local Building Regulations.
Please read the instructions in order to better understand our products.
Do not install in areas close to a heat source, which will affect its function.
This MC6 thermostat is designed to be flush mounted and requires a 35mm recessed box in the wall.

Step 1
Using a flat-blade screwdriver, loosen the screw from the bottom face of the front of the thermostat and then separate the front half from the backplate.

Step 2
First place the front panel of the thermostat in a safe place.
And then follow the wiring diagram on page 39-43 of the manual for connecting the terminals.

Step 3
Screw the thermostat backplate into the mounting box in the wall using the correct screws (DO NOT OVER-TIGHTEN) .

Step 4
Refit the thermostat front panel onto the thermostat backplate fastening, and then gently re-tighten the retaining screw.

Technical Specification

Power supply: 110-230VAC, 50/60 Hz

Setting temp range: 5-35℃

Temp accuracy: ±1℃

Power consumption: 1W

Floor Temperature Limit: 20-45℃

Max Switch Current: 3A / 16A (Optional)

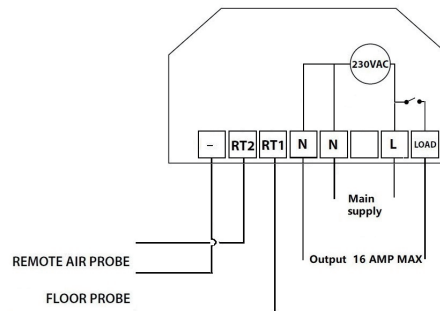**LCD screen size:** 3.5 Inch

Touch: Capacitive touch

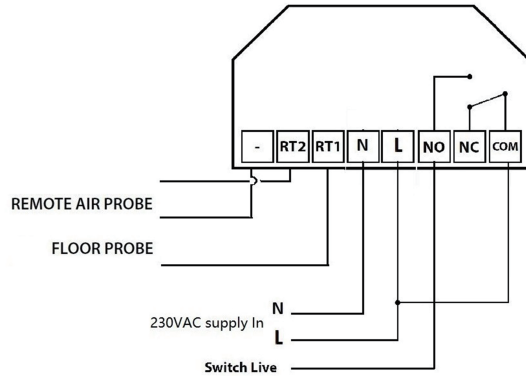**Dimension:** 96 * 86 * 42.5 (W*H*D) mm
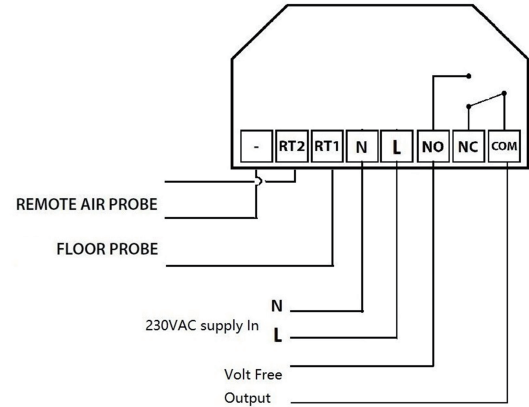
Grade of protection: IP 40

Wiring Diagram

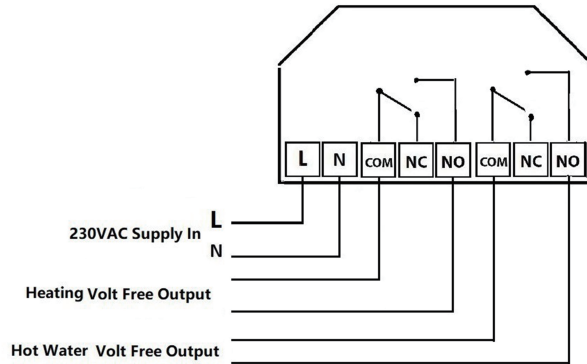## MC6-E Wiring Diagram-230V Electric 16A Heating

MC6 Wiring Diagram – Switch Live Output

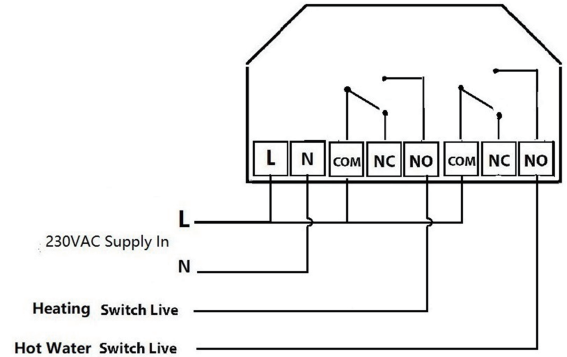REMOTE AIR PROBE

FLOOR PROBE

230VAC supply In **N**

L

Switch Live

Terminals: - | RT2 | RT1 | N | L | NO | NC | COM

MC6 Wiring Diagram – Volt free

REMOTE AIR PROBE

FLOOR PROBE

230VAC supply In **N**

L

Volt Free Output

Terminals: - | RT2 | RT1 | N | L | NO | NC | COM

MC6 -HW Wiring Diagram – Volt free

230VAC Supply In
L
N

Heating Volt Free Output

Hot Water Volt Free Output

| L | N | COM | NC | NO | COM | NC | NO |

MC6 -HW Wiring Diagram – Switch Live Output

230VAC Supply In
L
N

Heating Switch Live

Hot Water Switch Live

| L | N | COM | NC | NO | COM | NC | NO |

MODE 2-TIME CLOCK

Setting the Time Clock

To program the time clock times, when in time clock mode, follow these steps.

01 Press 'Schedule' on the main screen.

02 Press Weekday and enter setting interface.

Four time periods can be selected to program. (Each period has ON/OFF Icon 🔘 ⭕ Options)

03 Press the 'Hour' of the ON time and use the ◁ ▷ icons to adjust to the desired hour.

04 Press the 'Minute' of the ON time and use the ◁ ▷ icons to adjust to the desired minutes.

05 Press the 'Hour' of the OFF time and use the ◁ ▷ icons to adjust to the desired hour.

06 Press the 'Minute' of the OFF time and use the ◁ ▷ icons to adjust to the desired minutes.

Repeat these steps to set all periods.

Boost Mode

The Boost function allows you to override the thermostat outside of the programmed times and manually turn on for your desired time period.

This function overrides the Pre-set Time Settings for a desired length of time. This can be to override on or override off. To activate the Boost, follow these steps.

01 Press 'Boost' icon.

02 Select your desired 'Boost' mode ON or OFF.

03 Press 'Hour' and use the ◁ ▷ icons to set the desired hours.

04 Press 'Minute' and use the ◁ ▷ icons to set the desired minutes.

05 Press the ⬅ icon to save and return to the main screen.

06 The 'Boost' time remaining, will be displayed at the top of the screen.

07 To cancel 'Boost', press 'Boost' main icon and press cancel.

System Information

01 Press the ⚙ icon and enter Feature Settings.

02 Press 'System Information' and enter system interface.

03 Press the ⬅ icon to exit.

Reset to Factory Settings

Warning: RESET will clear current settings and return to the factory settings.

01 Press the ⚙ icon and enter Feature Settings.

02 Use the ◁▷ icons to turn to page 5.

03 Press 'Reset to factory settings'.

04 Press 'Reset'.

05 The MC6 will now restart, this may take a few moments. Once this is completed, the MC6 will reset to Factory Settings.

Time, Mode or Temperature settings mentioned within this manual are for illustration purposes only. It is the responsibility of the user to ensure the correct settings for the application.

Any electrical installation work, should be carried out only by a suitably qualified person.