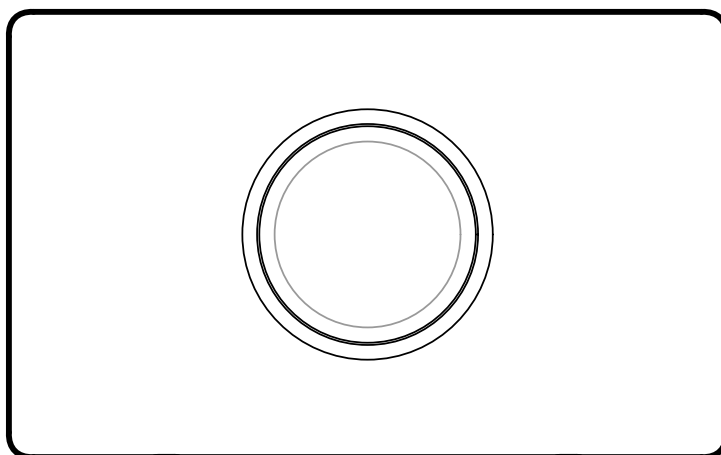
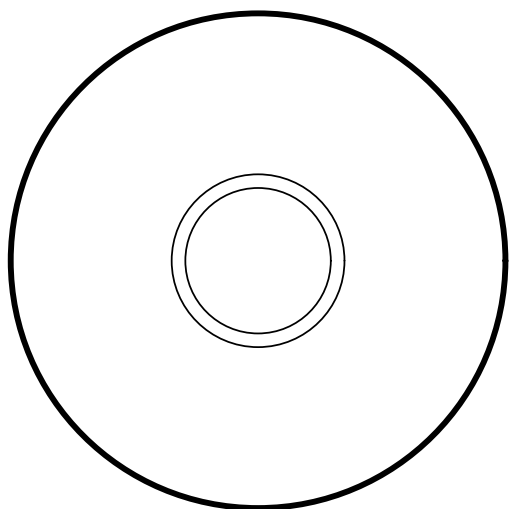
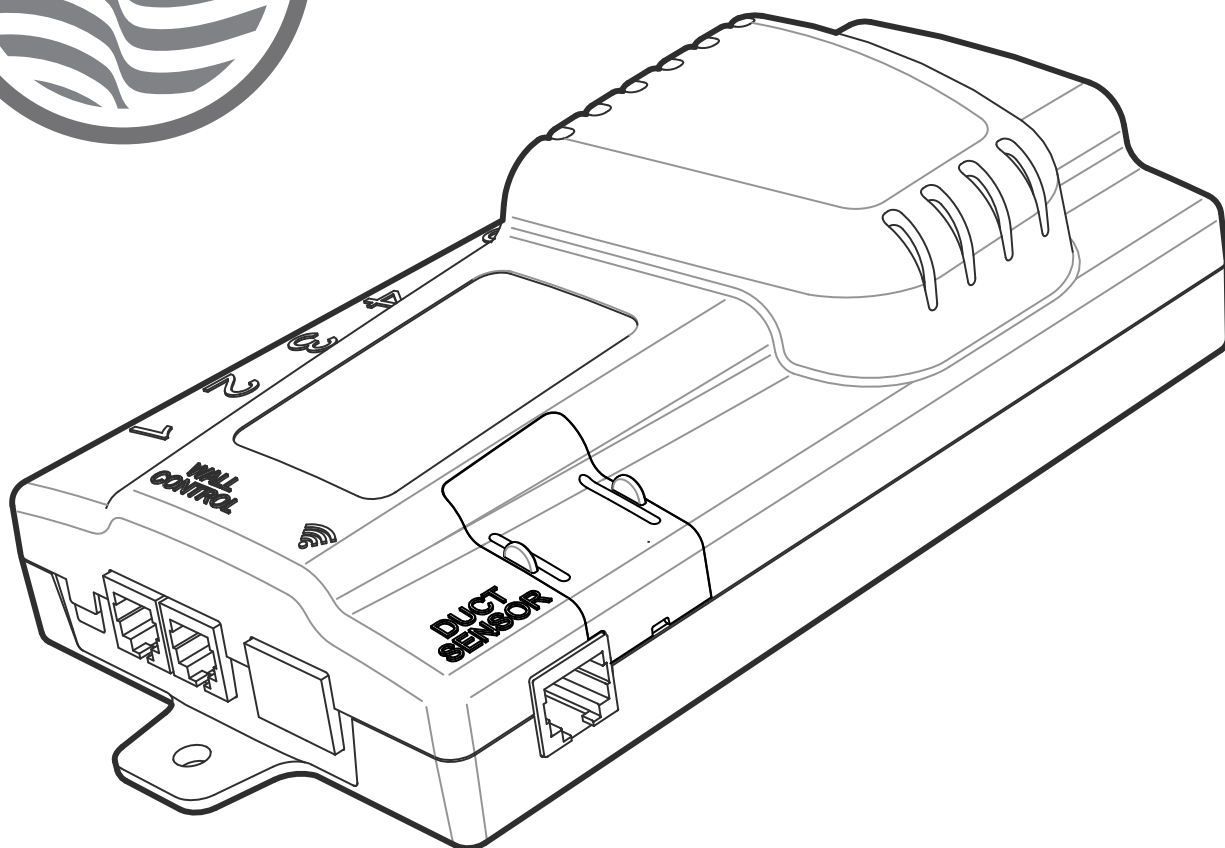




PLATINUM II

ZONE CONTROL SYSTEM



MOTION SENSOR/TIMER

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PRECAUTIONS

1. Precautions

Refer to these installation instructions before commencing the installation or service of this product.



WARNING

This product should be installed and set up by qualified personnel.

To reduce the risk of fire, electric shock or product damage:

DO NOT expose to rain or moisture of any kind

DO NOT place articles filled with water on or near this appliance

DO NOT remove covers – there are no serviceable part inside

DO use only genuine Air Diffusion Agencies components

Ensure all electrical connections are made before connecting power to the Control Box.

Installation set up changes should only be attempted by qualified personnel.

This appliance is not to be used by persons, including children with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

2. Environmental Information

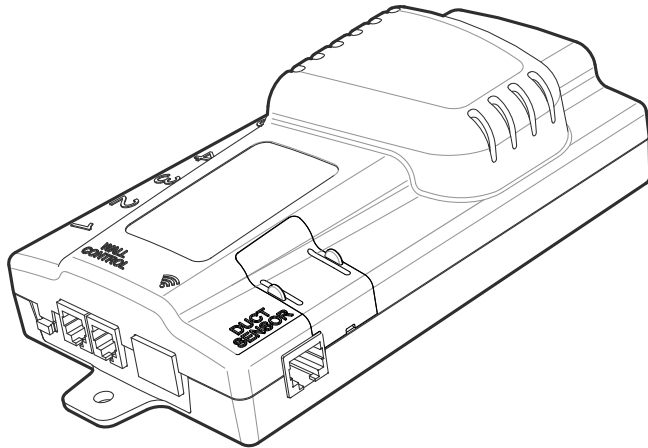
This product (including packaging) is manufactured from fully recyclable components. Please dispose of in an appropriate manner.



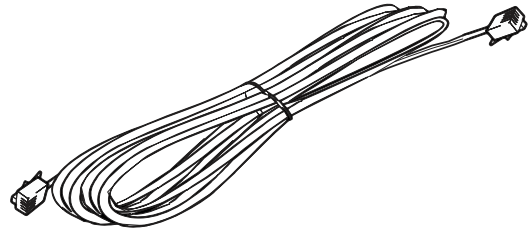
COMPONENTS SUPPLIED

3. Components Supplied - SIPS Kit

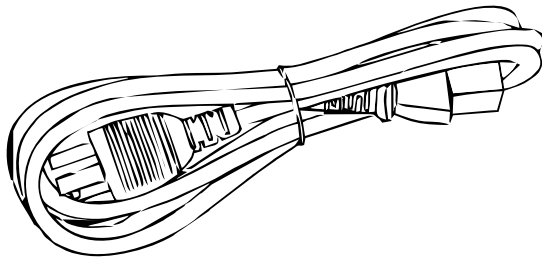
SIPS01 Control Box



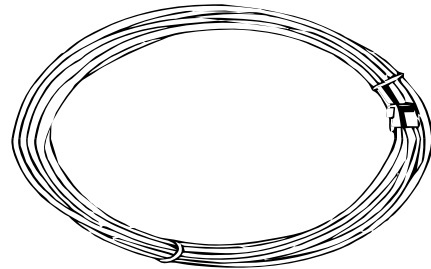
A/C Link Cable (9m)



240V AC Power Cord



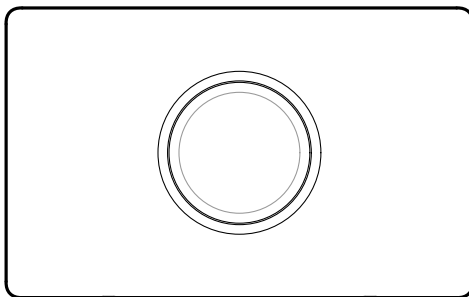
Link Cable (15m)



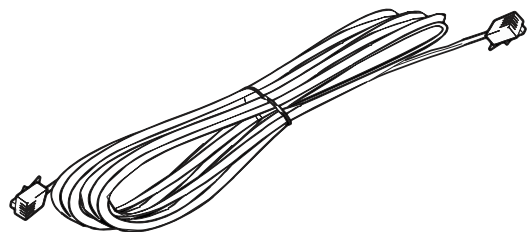
1 x Instruction Manual

4. Components Supplied - Timer Kit

TM01 Timer



A/C Link Cable (9m)



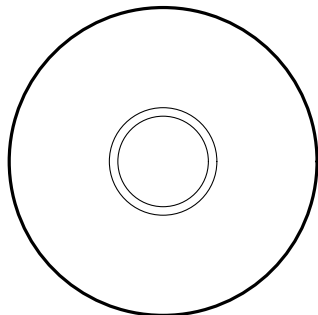
2 x Fixing Kit

1 x Instruction Manual

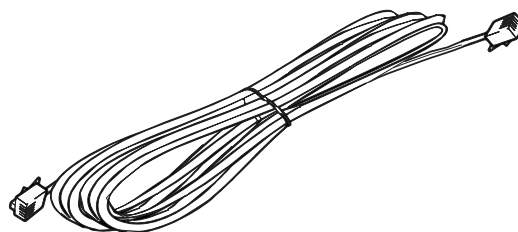
MOUNTING THE TIMER

5. Components Supplied - Motion Sensor Kit

MS01 Motion Sensor



Cable (9m)



2 x Fixing Kit

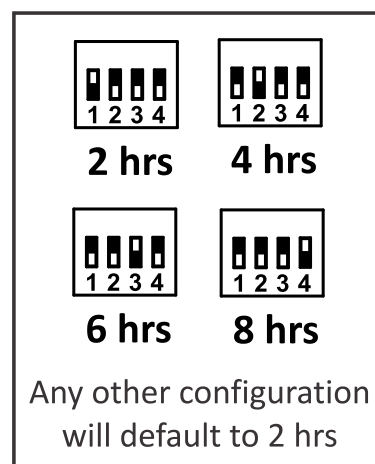
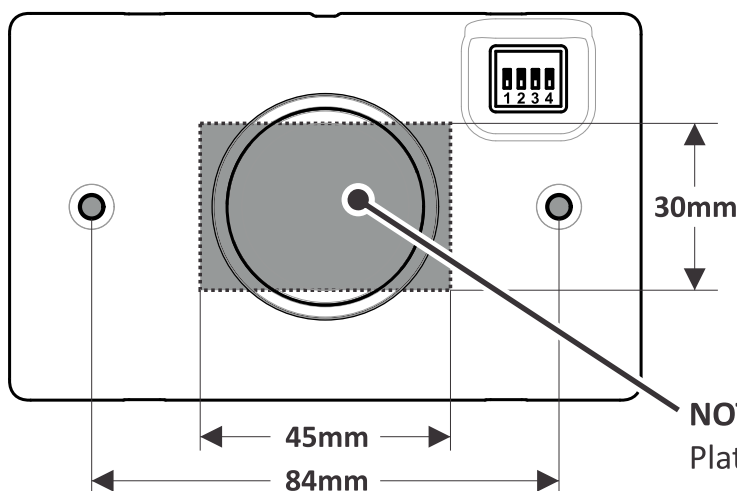
1 x Instruction Manual

6. Mounting the Timer

NOTE: To use the Timer with an A/C, the A/C must have external control input. Power is supplied from the A/C indoor unit - refer to A/C unit wiring diagram. Once installed, the indoor unit must be set to enable external control operation - the method will vary from model to model.

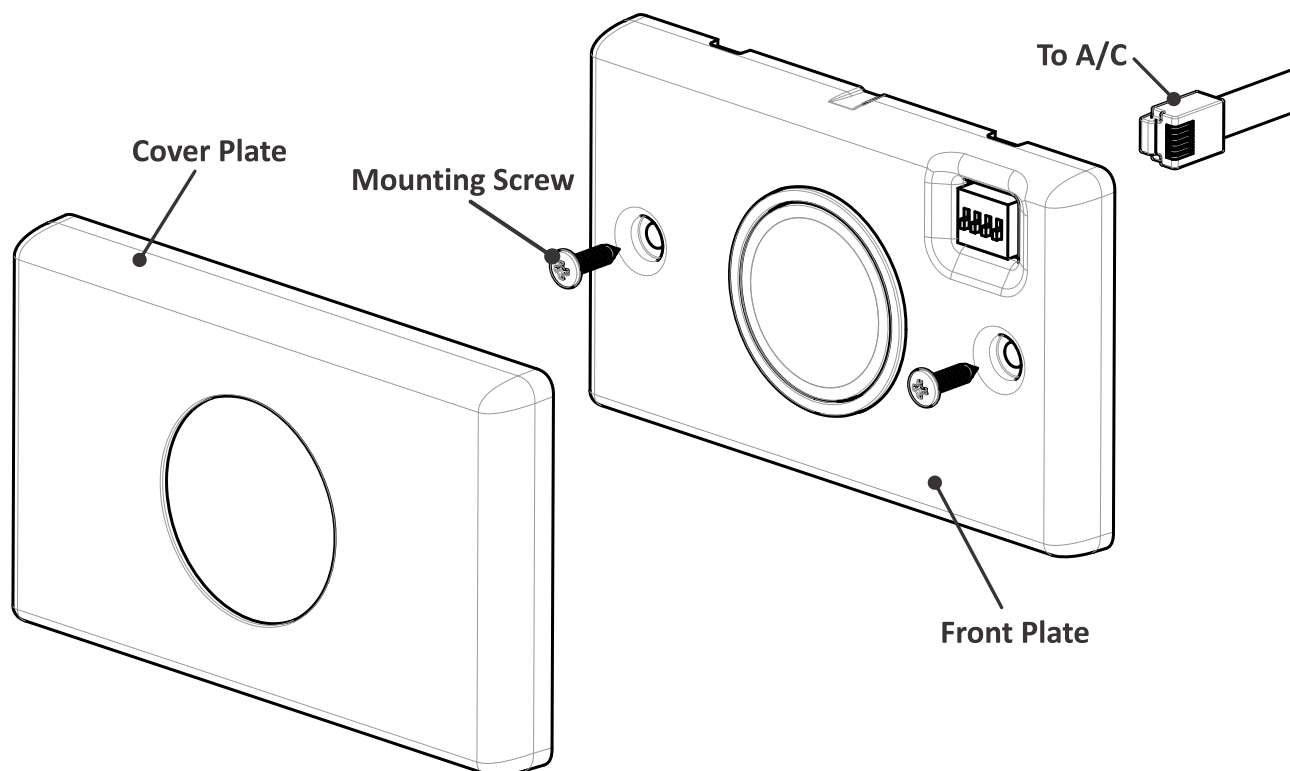
- Plug in supplied A/C Link Cable to the Timer, then fix Front Plate to the wall.
- Front Plate can be attached to the wall using supplied fixings or a standard wall switch bracket.
- Set time period by adjusting dip switches, then clip on Cover Plate, ensuring clips fully engage.

DO NOT mount Timer in direct sunlight.

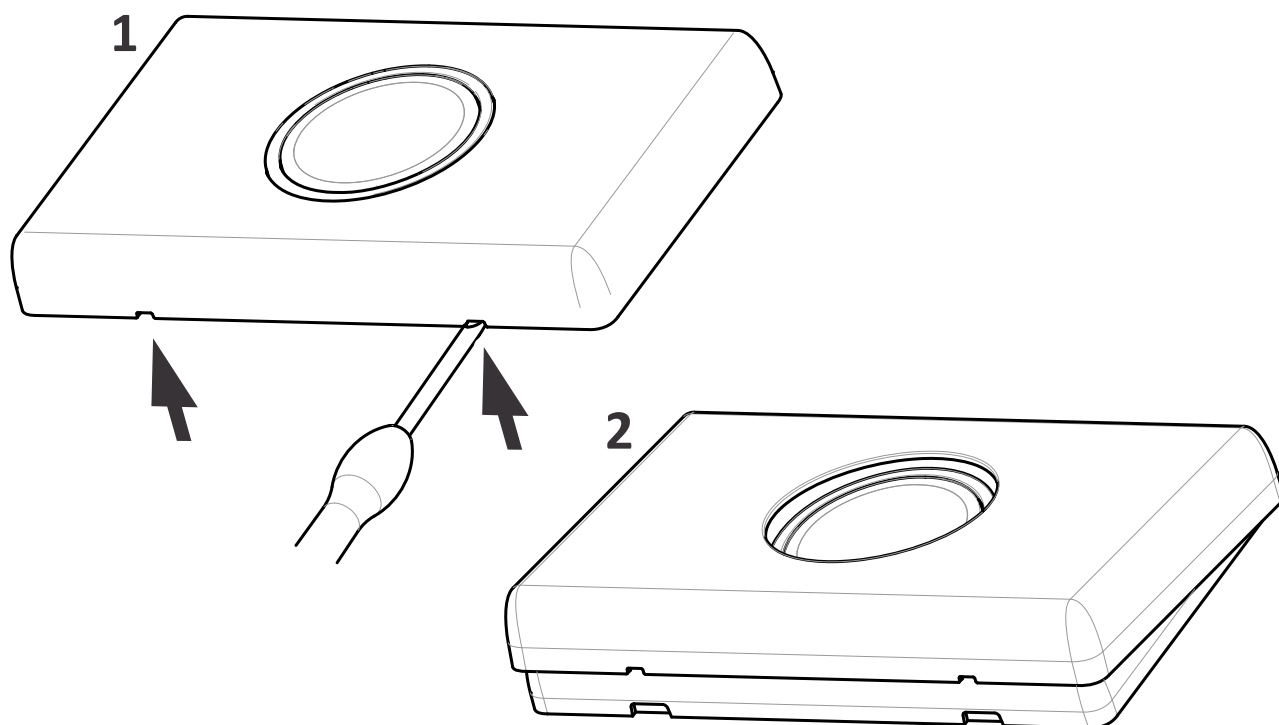


NOTE: Ensure wall behind Front Plate in this area is completely clear

MOUNTING THE TIMER



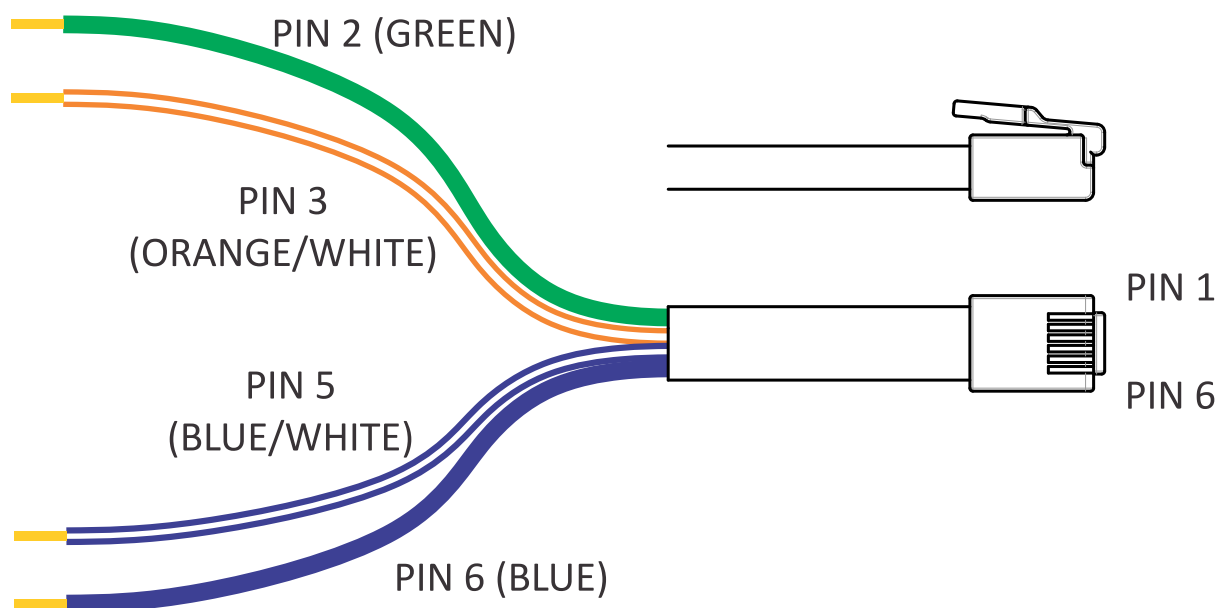
To remove Cover Plate once assembled onto the wall, use a small flat head screwdriver in the locations shown to pry Cover Plate off of the Front Plate.



WIRING DIAGRAM

7. Wiring Diagram

Pin connections from Timer and/or SIPS Control Box for A/C control as shown (colours are as supplied cable).



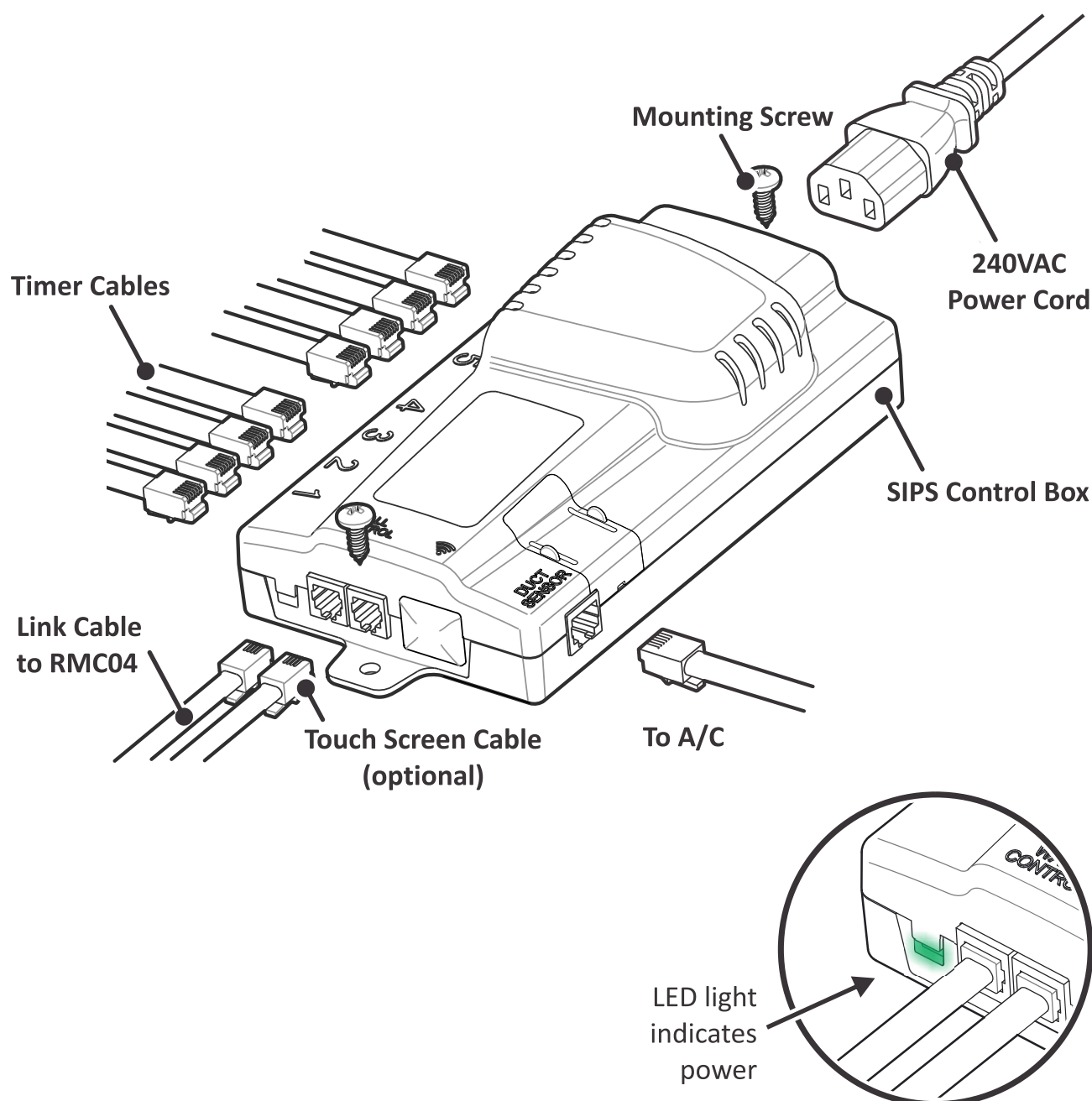
PIN 1	GREEN/WHITE	NOT USED
PIN 2	GREEN	0V
PIN 3	ORANGE/WHITE	+12V
PIN 4	ORANGE	MODE
PIN 5	BLUE/WHITE	RELAY C
PIN 6	BLUE	RELAY NO
MODE changes LED colour from blue to orange		

MULTIPLE TIMERS USING SIPS

8. Multiple Timers using SIPS

Up to 8 Timers can be used in a multi-Zone system using a SIPS01 Control Box. Refer configuration diagram on page 9 for a typical system design.

Each Timer must be plugged into same port on the SIPS01 as corresponding Zone Damper on the RMC04. Ensure all connections are made before powering on the system.



MULTIPLE TIMER CONFIGURATION

9. Multiple Timer Configuration

When configured correctly, pressing a Timer button switches on the A/C and opens the corresponding Zone Damper to 100% (or desired Max %, which can be adjusted using the Zone Balance feature) for the set time period. All other Zone Dampers remain closed. Pushing any other Timer button will open the corresponding Zone Damper and extend the A/C operation by the set time period. A second press on an active Timer will halt the countdown for that Zone and close the corresponding Zone Damper. Once all the Timers expire, the A/C is switched off and all Zone Dampers are closed.

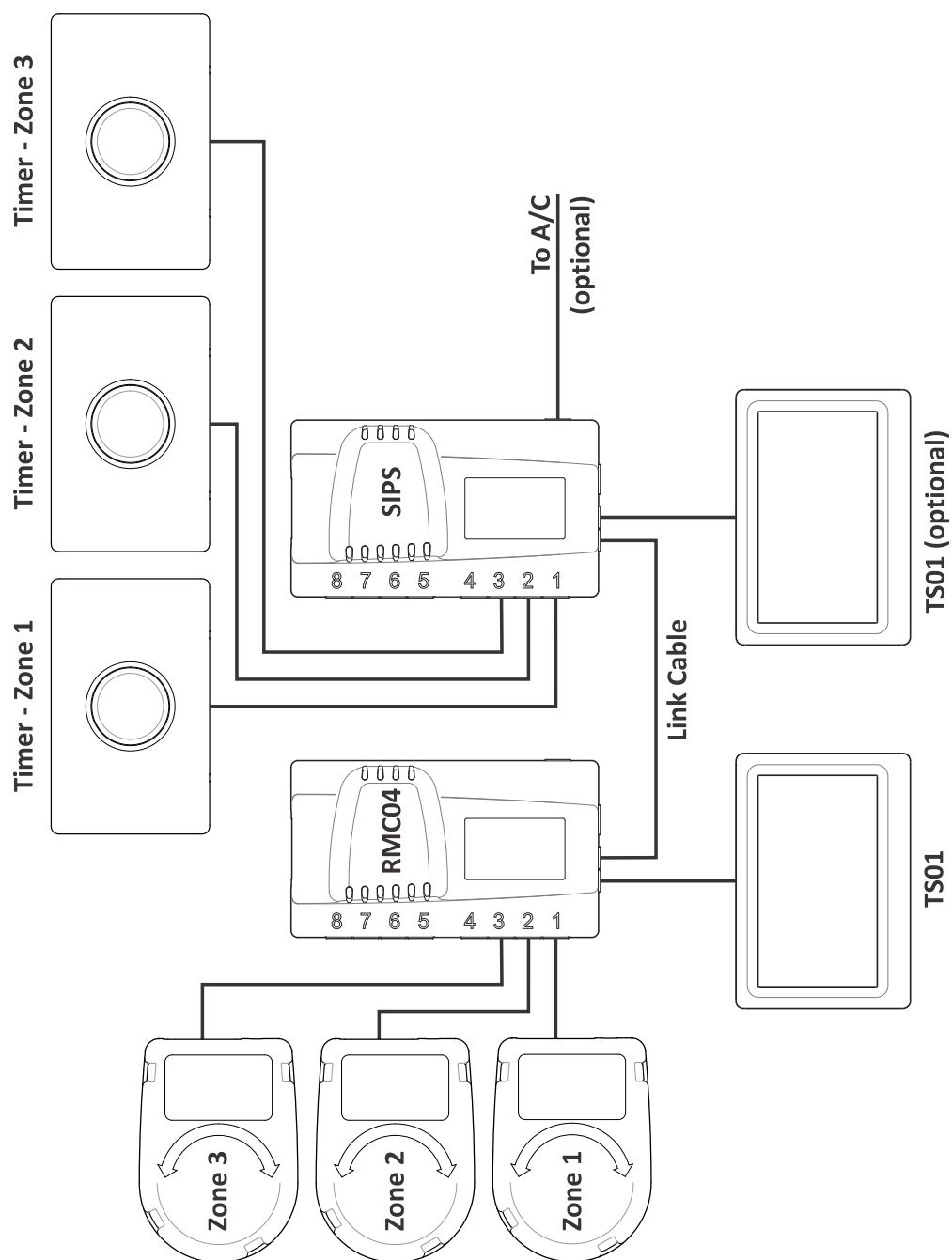
NOTE: The assumption is the A/C wall control and the Platinum II Touch Screen will only be accessible to the installer and not the end user of the Timer.

- If A/C system is turned on or off at the wall control, there is no effect on the Timer countdown, if active.
- If the Platinum II system is turned off at the Touch Screen, all Zone Dampers will open – if the A/C is on, every Zone will get air regardless of the Timer status.

NOTE: If Timers are used without the link to the A/C, the duct system may need to be designed with appropriate Relief Zones, so that if all the Zones are closed, the A/C will not be damaged.

For the Platinum II system to know if it is in Heating or Cooling Mode requires an Auto system configuration with the use of a Duct Sensor and temperature Sensors in each room.

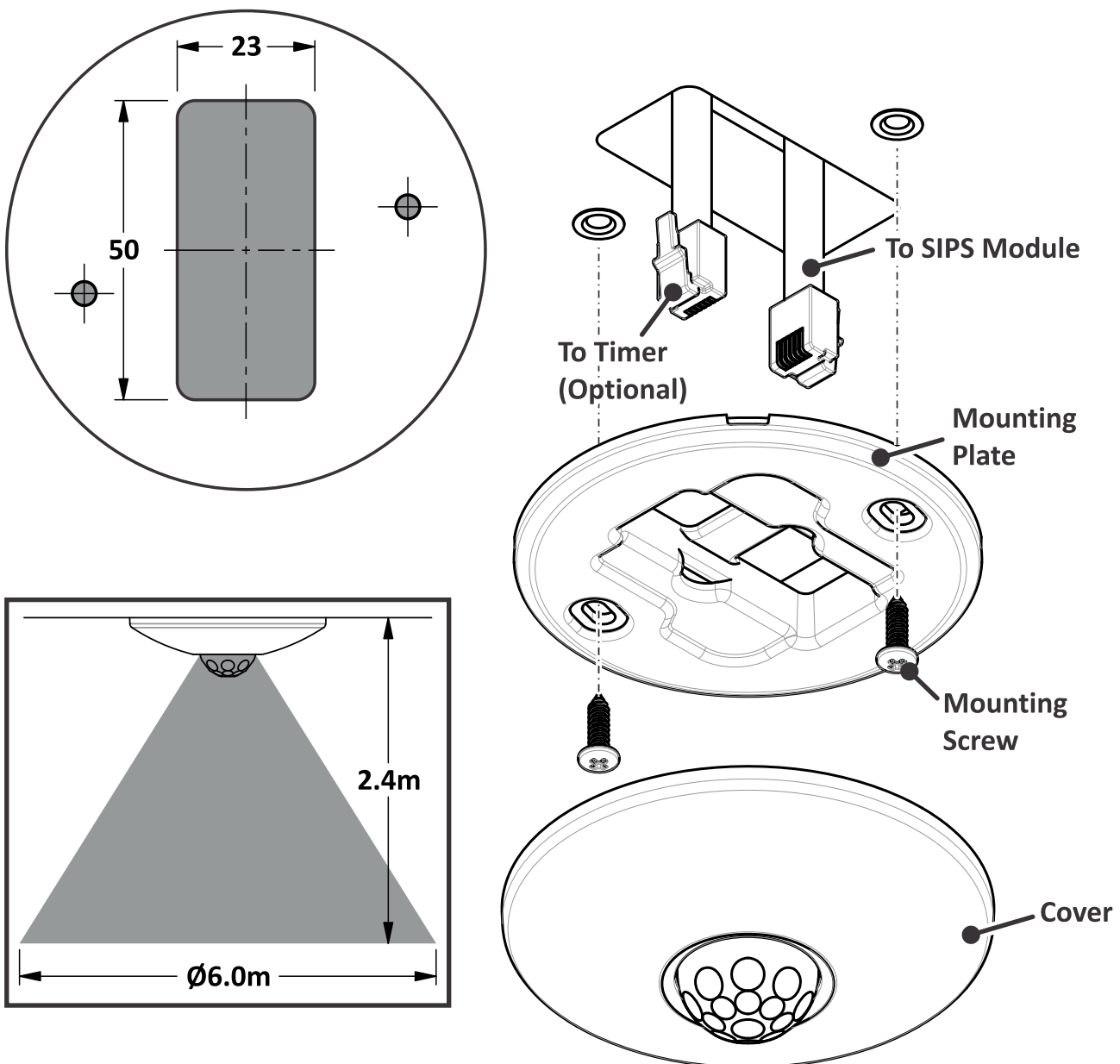
MULTIPLE TIMER FUNCTION



MOUNTING THE MOTION SENSOR

10. Mounting the Motion Sensor

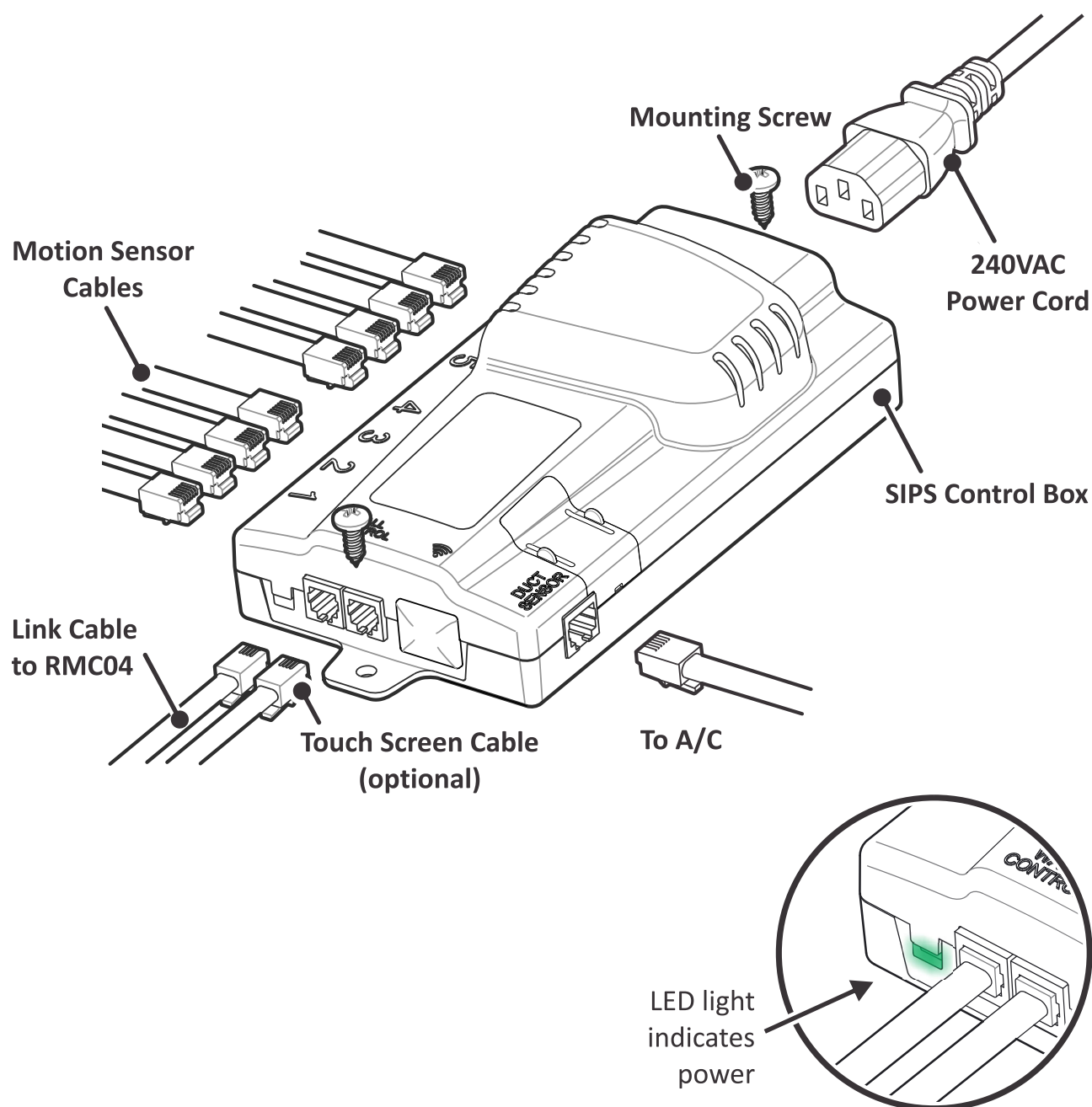
- Choose an appropriate position on the ceiling to mount the Motion Sensor.
- Mark and cut out hole in ceiling as shown, then use the Mounting Plate to mark holes for the screw fixings.
- Use the appropriate supplied fixings for the ceiling material.
- Feed the cables from the ceiling through the Mounting Plate, then screw Mounting Plate to the ceiling.
- Plug in cables as required, then clip on Cover assembly to complete installation.



MULTIPLE MOTION SENSORS USING SIPS

11. Multiple Motion Sensors using SIPS

Up to 8 Motion Sensors can be used in a multi-Zone system using a SIPS01 Control Box. Refer configuration diagram on page 13 for a typical system design. Each Motion Sensor must be plugged into same port on the SIPS01 as corresponding Zone Damper on the RMC04. Ensure all connections are made before powering on the system.



MOTION SENSOR CONFIGURATION

12. Motion Sensor Configuration

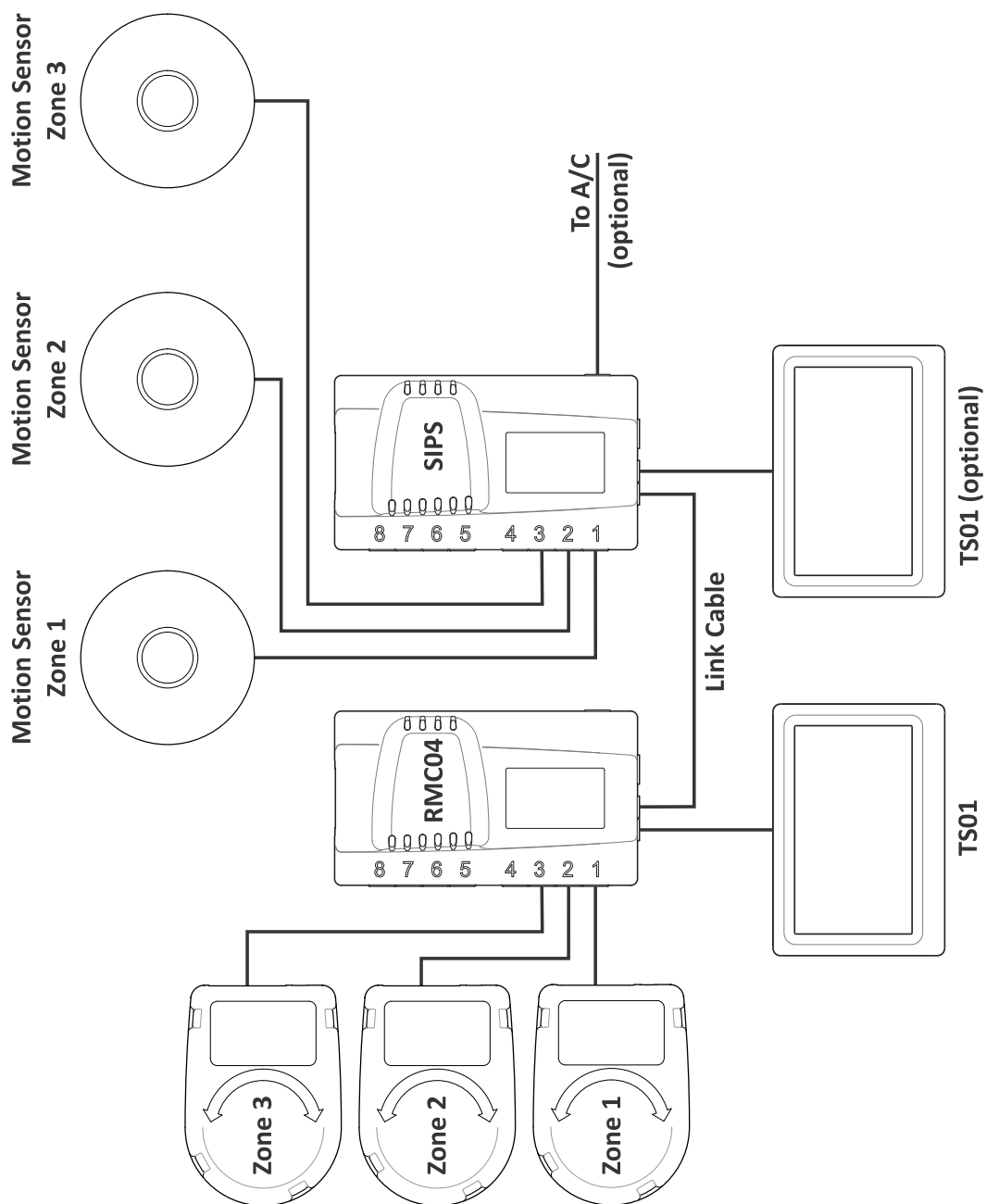
When configured correctly, using Motion Sensors eliminates the requirement for unused Zones to be air-conditioned.

For a Manual System, in any Zone every 20 minutes without motion detection, the Zone Damper closes from 100% to 70%, then 30%, then fully closed. If motion is detected, the Zone Damper resets to its original position.

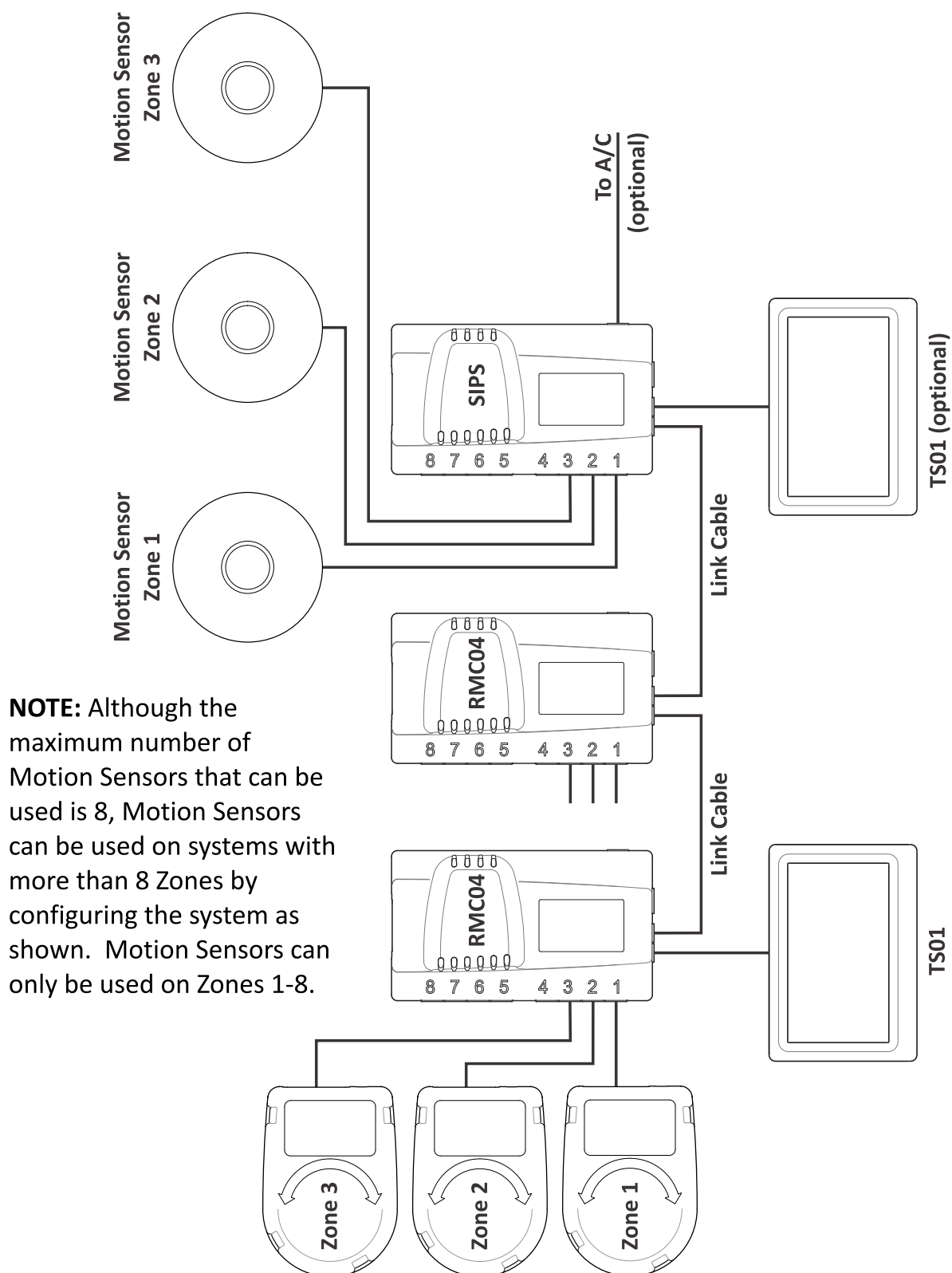
For an Auto System, in any Zone every 20 minutes without motion detection, the Zone Damper maximum opening limit changes from 100% to 70%, then 30% then fully closed. If motion is detected, the Zone Damper resets to its original position.

NOTE: The duct system may need to be designed with appropriate Relief Zones, so that if all the Zones are closed, the A/C will not be damaged, however, the system can also be configured so that the A/C is switched off if all Motion Sensors result in all Zones fully closing.

MOTION SENSOR CONFIGURATION



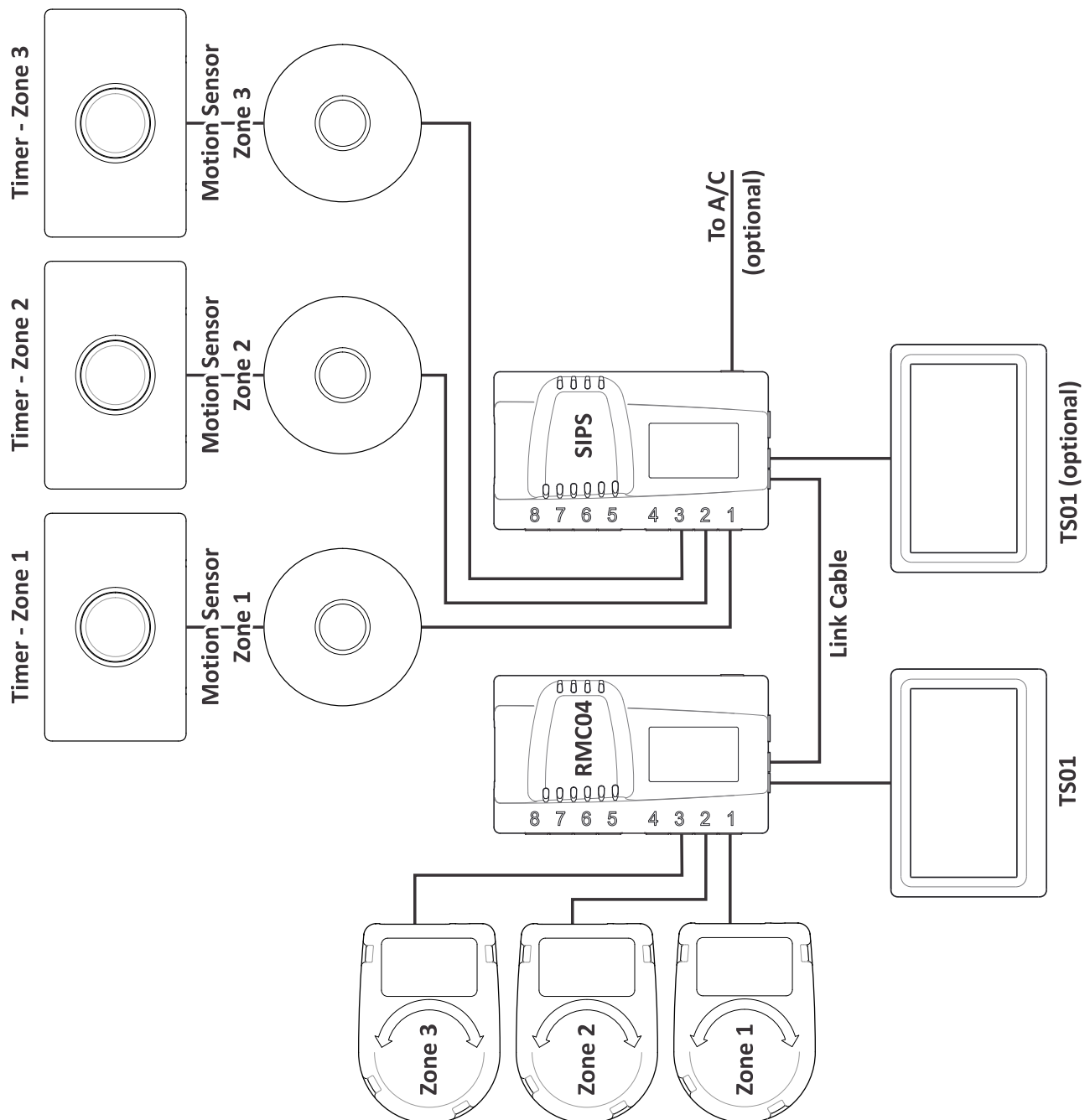
MOTION SENSOR CONFIGURATION



ADD-ON TIMER CONFIGURATION

13. Motion Sensor with Add-On Timer Configuration

Motion Sensors can be used with Timers for an even more efficient system. Motion Sensor functionality will operate for as long as the Timer is active. If the Timer is switched off or reaches the end of the countdown period, the Motion Sensors will not be active. Refer configuration diagram below for a typical system design.



MOTION SENSOR CONFIGURATION - NO ZONES

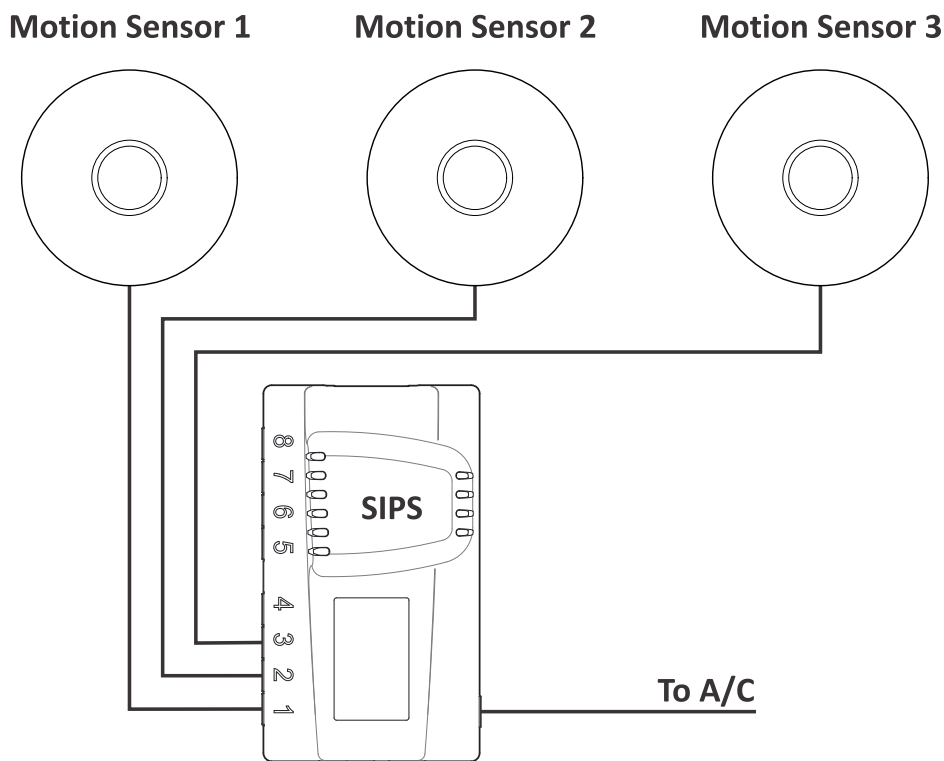
14. Motion Sensor Configuration - No Zones

One or more Motion Sensors can be used to directly switch on/off an A/C unit that does not utilize a Zone system. Up to 8 Motion Sensors may be used.

NOTE: To use the Motion Sensors with an A/C, the A/C must have external control input. Refer to A/C unit wiring diagram. Once installed, the indoor unit must be set to enable external control operation - the method will vary from model to model.

If a Motion Sensor detects no motion after 1 hour, the A/C will be switched off. If more than one Motion Sensor is used, it requires all Sensors to have not detected motion in 1 hour to switch off the A/C. If motion is detected, it will switch on the A/C and reset the countdown.

Refer configuration diagram below for a typical system design.



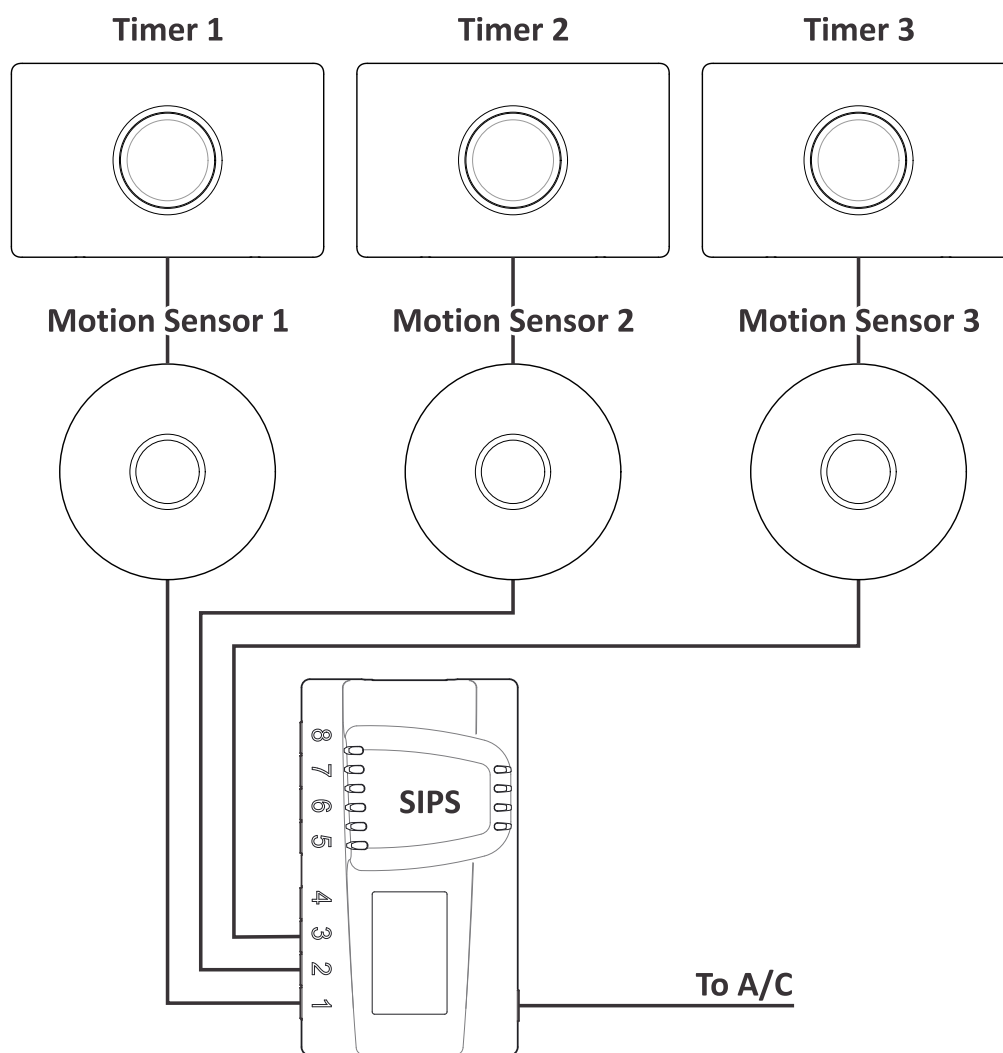
ADD-ON TIMER CONFIGURATION - NO ZONES

15. Motion Sensor with Add-On Timer Configuration - No Zones

Motion Sensors can be used with Timers for an even more efficient system. Up to 8 Motion Sensors with add-on Timers may be used.

Functionality is as previously described but if the Timer is switched off or reaches the end of the set countdown period, the Motion Sensors will not be active.

Refer configuration diagram below for a typical system design.



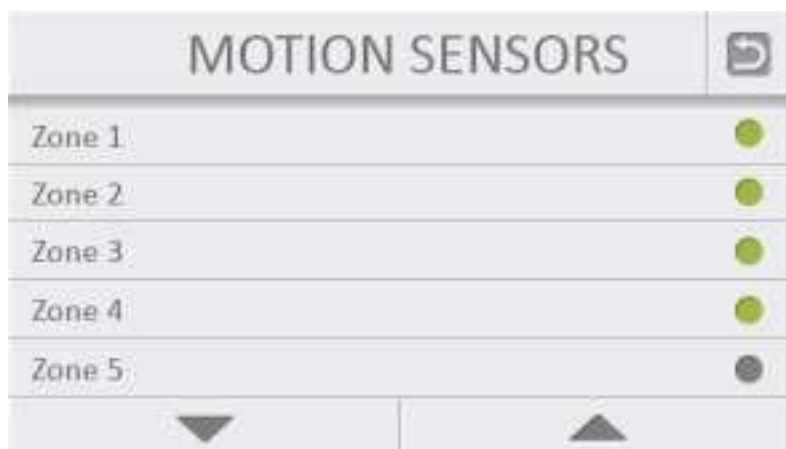
SYSTEM SET UP

16. System Set Up

Motion Sensors and/or Timers will be automatically detected only after the initial set up process has been completed.

After the initial set up process, information related to Motion Sensors and/or Timers is accessed from the System Set Up screen by pressing the settings icon on the top right corner of Base Screen (installer code will be required).

NOTE: Motion Sensors and/or Timers not automatically detected after the initial set up process will not register as a Fault - only devices recognized during the initial set up process will register as a fault should they fail or become disconnected at a later stage.



SYSTEM SET UP



Zones with Motion Sensors and/or Timers are highlighted in green. If there is a fault with a Motion Sensor or Timer, it will be highlighted in red.



SYSTEM SET UP

17. Timer Function

In a Manual system the Base screen will show a 'T' when a Timer has deactivated a Zone and indicate it is in an OFF state. The arrow icons will not function.



In an Auto system, the Base screen will show also show a 'T', the Auto/Manual icons will be blanked out and the arrow icons will not function.



Once a Timer is activated, the Zone will resume from the original setting.

NOTE: If Favourites are saved with a Timer in the OFF state, the affected Zone will be saved in the original position.

18. Motion Sensor Function

In both Manual and Auto systems, the Base screen will show a 'M' when a Motion Sensor is being used with a Zone.



NOTE: If Favourites are saved with a Motion Sensor affected

SYSTEM SET UP

Zone, the affected Zone will be saved in the original position.

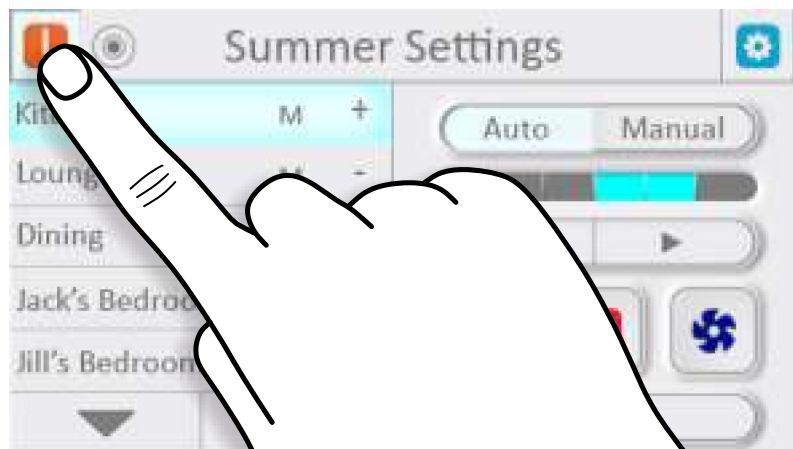


If a Motion Sensor and a Timer are both used for a Zone, the 'T' will override 'M'.



19. Faults

If there is a fault with a SIPS Control Box it will be highlighted as shown.



SYSTEM SET UP

A fault for a Motion Sensor will be highlighted as shown.



A fault for a Timer will be highlighted as shown.





20. Diagnostics

The Diagnostics screen will show M0, M1, M2 or M3 to indicate the current Motion Sensor activation level.

DIAGNOSTICS				
Zone	Mode	Temperature	Position	
Zone 1	M2	Manual	26.0°C	30
Zone 2	M1	Auto-2	26.5°C	70
Zone 3	M0	Auto+2	26.5°C	100
Zone 4	M1	Auto-1	24.5°C *	70
		Average 26.0°C Duct 27.0°C		

The Diagnostics screen will show T0 or T1 to indicate the status of a Timer.

DIAGNOSTICS				
Zone	Mode	Temperature	Position	
Zone 1	T0	Manual	26.0°C	OFF
Zone 2	T1	Auto-2	26.5°C	100
Zone 3		Auto+2	26.5°C	100
Zone 4		Auto-1	24.5°C *	70
		Average 26.0°C Duct 27.0°C		

WARRANTY

21. Warranty

Subject to the conditions below, this product is guaranteed against any defects in materials or workmanship under conditions of normal use for a period of 12 months from date of purchase.

The benefits conferred by this warranty are in addition to other warranties and remedies that are implied under the Trade Practices Act and similar State and Territory laws.

Subject to statutory rights the goods will not be eligible for service under this warranty if:

- a) Proof of purchase cannot be provided.
- b) The defect was caused by an accident, misuse, abuse, improper installation or operation, lack of reasonable care, vermin infestation, unauthorised modifications, loss of parts, tampering or attempted repair by a person not authorised by Air Diffusion Agencies.
- c) The product has been damaged by lightning or mains power surge.
- d) The product has been used for other than its intended use.

Subject to your statutory rights:

- a) Any claim under this warranty is limited to the repair or replacement of the product and does not include installation cost, travelling cost or freight charges.
- b) All claims must be returned to Air Diffusion Agencies or its agents at the claimant's expense.
- c) If the goods are found to be in sound working order by the authorised service centre, you may be charged a fee for the service and for any other direct costs associated with having the product delivered for service.
- d) This warranty is not transferrable and is only available to the original purchaser.

22. Notes

All service to the Platinum II system must be carried out by an approved Air Diffusion Agencies service technician, and must not be done by unqualified personnel. Repairs carried out by unqualified personnel will void warranty.

Air Diffusion Agencies strive to implement continuous product improvement, therefore specifications are subject to change without notice.



www.airdiffusion.com.au

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