



INSTALLATION MANUAL

MagIQtouch Air Sensor



MAGIQTOUCH[®]
AIR SENSOR

Original English Instructions

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KIT CONTENTS

094328

MagIQtouch Air Sensor

| Contents: | |
|-----------|---------------------------|
| Qty | Description |
| 1 | MagIQtouch Air Sensor |
| 1 | Communication Cable (20m) |
| 2 | Long Screws |
| 2 | Short Screws |
| 2 | Wall Plugs |



SAFETY

EMPLOYER AND EMPLOYEE RESPONSIBILITIES

The installation and maintenance of evaporative coolers at height has the potential to create Occupational Health and Safety issues for those involved. Installers are advised to ensure they are familiar with Local Acts, Regulations and Standards, which may offer practical guidance on health and safety issues. Compliance with these regulations will require appropriate work practices, equipment, training and qualifications of workers.

INSTALLER AND MAINTENANCE CONTRACTORS– RISK ASSESSMENT

Seeley International provides the following information as a guide to contractors and employees to assist in minimising risk whilst working at height.

A risk assessment of all hazardous tasks is required under legislation. A risk assessment is an essential element that should be conducted before the commencement of work, to identify and eliminate the risk of falls or to minimise these risks by implementing control measures. There is no need for this to be a complicated process, it just is a matter of looking at the job to be done and considering what action(s) are necessary so the person doing the job does not injure themselves.

This should be considered in terms of:

- What are the chances of an incident happening?
- What could the possible consequence be?
- What can you do to reduce, or better still, completely get rid of the risk?

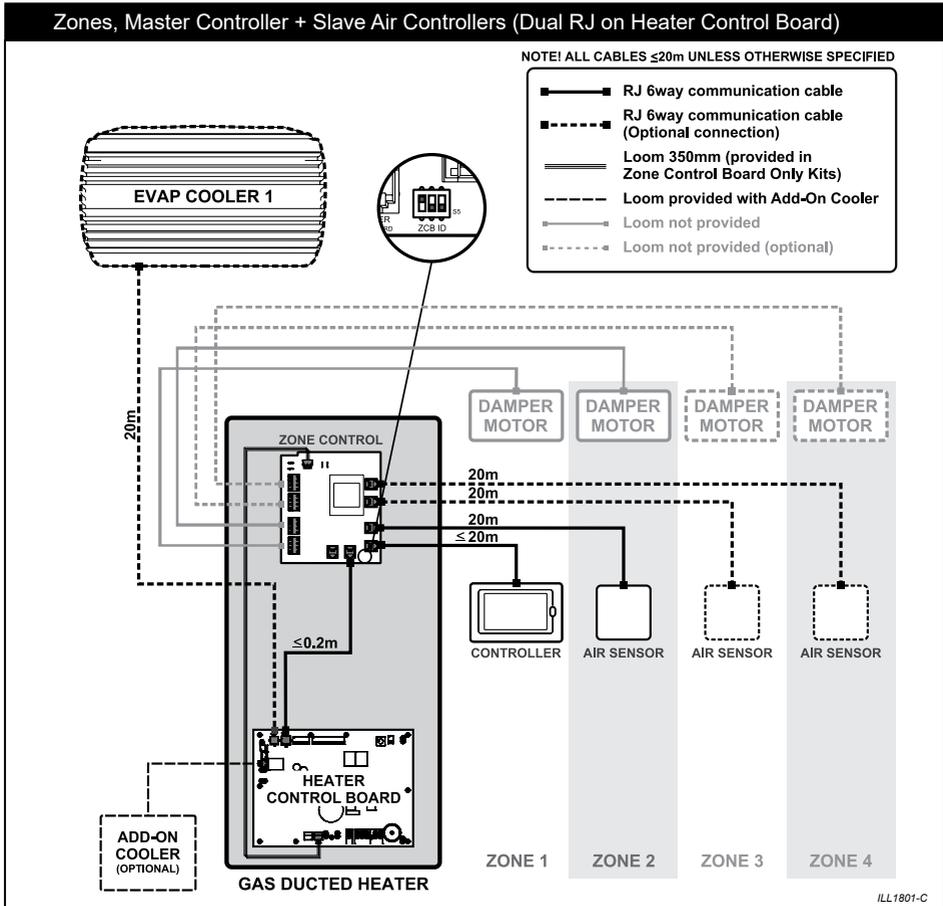
SYSTEM APPLICATIONS

The MagIQtouch Air Sensor can be used in two applications.

- “Slave” Air Sensor
- “Master” Air Sensor

SLAVE AIR SENSOR

MagIQtouch Air Sensors can be installed in zoned systems instead of a Slave Controller. In this scenario the Master Controller operates the zoned system according to the temperatures detected by the Air Sensor(s) installed within each zone.



ILL1801-C

Major Appliances:

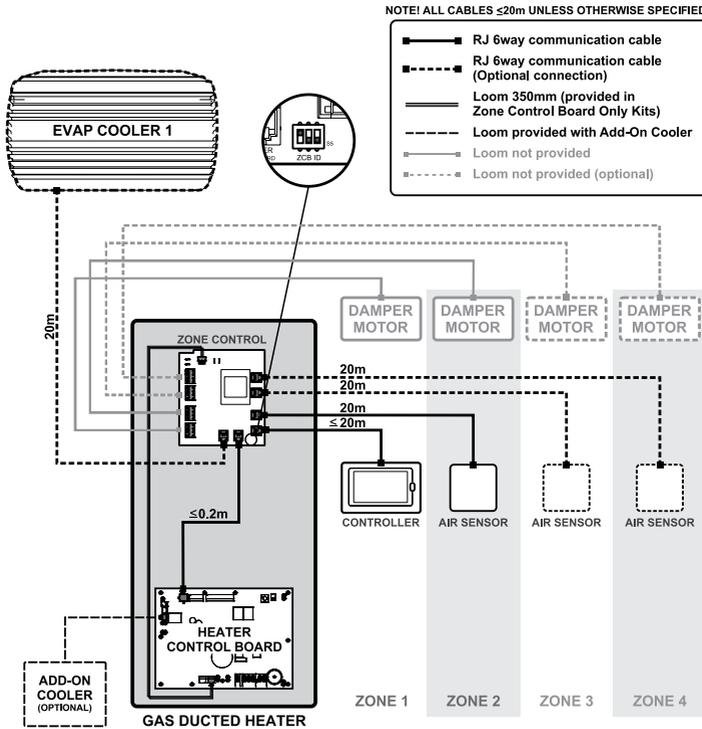
| Appliance | Included With Appliance | Qty. |
|--------------------------------------|--|------|
| Gas Ducted Heater | MagIQtouch Controller & 20m Cable | 1 |
| Evaporative Cooler (Optional) | MagIQtouch Controller & 20m Cable | 1 |
| Inverter Add-on Cooler (Optional) | MagIQtouch Controller Supplied with Heater | |
| Fixed Speed Add-On Cooler (Optional) | MagIQtouch Controller Supplied with Heater | |

Additional Kits Required:

| P/N | Description | Cable Inc. | Qty. |
|--------|--|------------|-----------|
| 075082 | MagIQtouch Controller with 20m Cable (x = number of controllers already provided with heater / evaporative cooler) | 20m | Zones - x |
| 094922 | MagIQtouch Zone Control, Board Only (240V) or | 0.2m | 1 |
| 094939 | MagIQtouch Zone Control, Board Only (24V) | | |
| 094328 | MagIQtouch Air Sensor | 20m | Zones - x |

SYSTEM APPLICATIONS cont

Zones, Master Controller + Slave Air Controllers (Single RJ on Heater Control Board)



ILL1801-B

Major Appliances:

| Appliance | Included With Appliance | Qty. |
|--------------------------------------|--|------|
| Gas Ducted Heater | MagiQtouch Controller & 20m Cable | 1 |
| Evaporative Cooler (Optional) | MagiQtouch Controller & 20m Cable | 1 |
| Inverter Add-on Cooler (Optional) | MagiQtouch Controller Supplied with Heater | |
| Fixed Speed Add-On Cooler (Optional) | MagiQtouch Controller Supplied with Heater | |

Additional Kits Required:

| P/N | Description | Cable Inc. | Qty. |
|--------|--|------------|-----------|
| 075082 | MagiQtouch Controller with 20m Cable (x = number of controllers already provided with heater / evaporative cooler) | 20m | Zones - x |
| 094922 | MagiQtouch Zone Control, Board Only (240V) or MagiQtouch Zone Control, Board Only (24V) | 0.2m | 1 |
| 094328 | MagiQtouch Air Sensor | 20m | Zones - x |

SYSTEM APPLICATIONS cont

MASTER AIR SENSOR (DUAL RJ ON HEATER OR COOLER CONTROL BOARD)

A MagIQtouch Air Sensor can be installed with a single MagIQtouch Controller as a “Master Air Sensor”. As the “Master” temperature sensing device, it overrides the sensor located inside the Controller itself. In this scenario, the Controller will operate in relation to the temperature detected by the Air Sensor.

This may be useful or desirable if the customer wishes to mount the controller in a location that is not ideal for temperature sensing.

Evaporative Cooler + Master Air Sensor (Dual RJ)

ILL1758-C

Major Appliances:

| Appliance | Included With Appliance | Qty. |
|--------------------|------------------------------------|------|
| Evaporative Cooler | MagIQtouch Controller 20m Cable | 1 |

Additional Kits Required:

| P/N | Description | Cable Included | Qty. |
|--------|--------------------------------------|----------------|------|
| 094328 | MagIQtouch Air Sensor | 20m | 1 |
| 094274 | MagIQtouch Link Module, in Enclosure | 3m | 1 |

Gas Heater + Master Air Sensor (Dual RJ)

ILL1807-C

Major Appliances:

| Appliance | Included With Appliance | Qty. |
|-------------------------------|------------------------------------|------|
| Gas Ducted Heater (Required) | MagIQtouch Controller 20m Cable | 1 |
| Evaporative Cooler (Optional) | MagIQtouch Controller 20m Cable | 1 |

Additional Kits Required:

| P/N | Description | Cable Included | Qty. |
|--------|------------------------------------|----------------|------|
| 094328 | MagIQtouch Air Sensor | 20m | 1 |
| 094281 | MagIQtouch Link Module, Board Only | 0.2m | 1 |

Gas Heater + Evaporative Cooler + Master Air Sensor (Dual RJ)

ILL1761-E

Major Appliances:

| Appliance | Included With Appliance | Qty. |
|-----------------------------------|--|------|
| Gas Ducted Heater | MagIQtouch Controller 20m Cable | 1 |
| Evaporative Cooler (Optional) | MagIQtouch Controller 20m Cable | 1 |
| Inverter Add-on Cooler (Optional) | MagIQtouch Controller Supplied with Heater | |

Additional Kits Required:

| P/N | Description | Cable Included | Qty. |
|--------|--------------------------------------|----------------|------|
| 094328 | MagIQtouch Air Sensor | 20m | 1 |
| 094274 | MagIQtouch Link Module, in Enclosure | 3m | 1 |
| 094281 | MagIQtouch Link Module, Board Only | 0.2m | 1 |

SYSTEM APPLICATIONS cont

MASTER AIR SENSOR (SINGLE RJ ON HEATER OR COOLER CONTROL BOARD)

On older coolers and heaters, a MagIQtouch Air Sensor can be installed with a single MagIQtouch Controller as a “Master Air Sensor” using a Link Module.

Evaporative Cooler + Master Air Sensor (Single RJ)

ILL1758-B

Major Appliances:

| Appliance | Included With Appliance | Qty. |
|--------------------|------------------------------------|------|
| Evaporative Cooler | MagIQtouch Controller 20m Cable | 1 |

Additional Kits Required:

| P/N | Description | Cable Included | Qty. |
|--------|--------------------------------------|----------------|------|
| 094328 | MagIQtouch Air Sensor | 20m | 1 |
| 094274 | MagIQtouch Link Module, in Enclosure | 3m | 1 |

Gas Heater + Master Air Sensor (Single RJ)

ILL1807-B

Major Appliances:

| Appliance | Included With Appliance | Qty. |
|-------------------------------|------------------------------------|------|
| Gas Ducted Heater (Required) | MagIQtouch Controller 20m Cable | 1 |
| Evaporative Cooler (Optional) | MagIQtouch Controller 20m Cable | 1 |

Additional Kits Required:

| P/N | Description | Cable Included | Qty. |
|--------|------------------------------------|----------------|------|
| 094328 | MagIQtouch Air Sensor | 20m | 1 |
| 094281 | MagIQtouch Link Module, Board Only | 0.2m | 1 |

Gas Heater + Evaporative Cooler + Master Air Sensor (Single RJ)

ILL1761-C

Major Appliances:

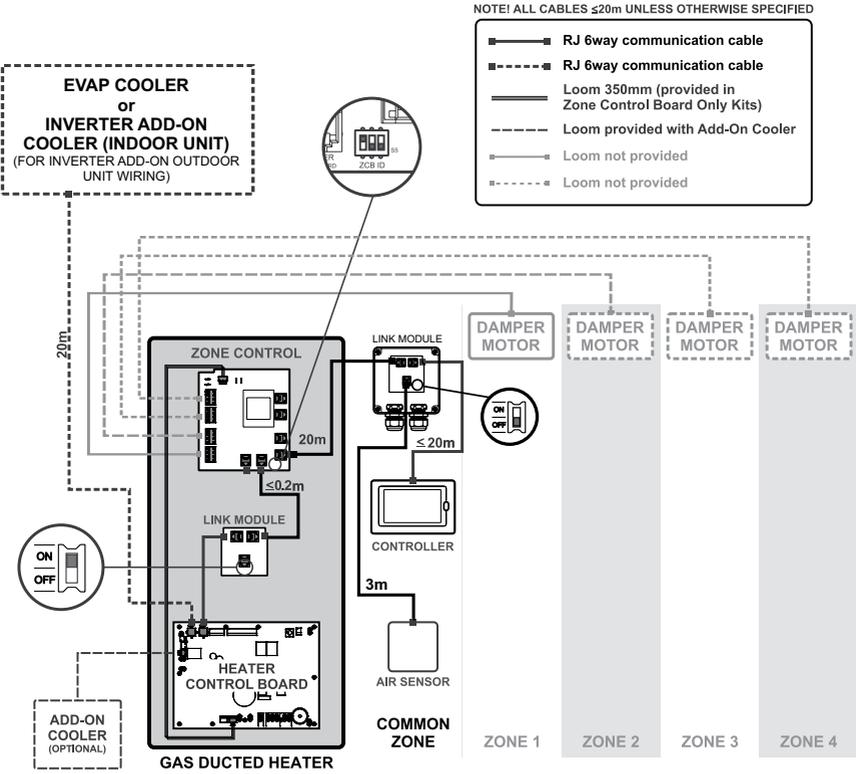
| Appliance | Included With Appliance | Qty. |
|-----------------------------------|--|------|
| Gas Ducted Heater | MagIQtouch Controller 20m Cable | 1 |
| Evaporative Cooler (Optional) | MagIQtouch Controller 20m Cable | 1 |
| Inverter Add-on Cooler (Optional) | MagIQtouch Controller Supplied with Heater | |

Additional Kits Required:

| P/N | Description | Cable Included | Qty. |
|--------|--------------------------------------|----------------|------|
| 094328 | MagIQtouch Air Sensor | 20m | 1 |
| 094274 | MagIQtouch Link Module, in Enclosure | 3m | 1 |
| 094281 | MagIQtouch Link Module, Board Only | 0.2m | 1 |

SYSTEM APPLICATIONS cont

Zones, Single Controller + Master Air Sensor (Dual RJ on Heater Control Board)



ILL1800-D

Major Appliances:

| Appliance | Included With Appliance | Qty. |
|--------------------------------------|--|------|
| Gas Ducted Heater | MagiQtouch Controller & 20m Cable | 1 |
| Evaporative Cooler (Optional) | MagiQtouch Controller & 20m Cable | 1 |
| Inverter Add-on Cooler (Optional) | MagiQtouch Controller Supplied with Heater | |
| Fixed Speed Add-on Cooler (Optional) | MagiQtouch Controller Supplied with Heater | |

Additional Kits Required:

| P/N | Description | Cable Inc. | Qty. |
|--------|--|------------|------|
| 075082 | MagiQtouch Controller with 20m Cable | 20m | 1 |
| 094922 | MagiQtouch Zone Control, Board Only (240V) | | |
| 094939 | MagiQtouch Zone Control, Board Only (24V) | 0.2m | 1 |
| 094328 | MagiQtouch Air Sensor | 20m | 1 |
| 094281 | MagiQtouch Link Module, Board Only | 0.2m | 1 |

HUMIDITY CONTROL

As well as the MagIQtouch Air Sensor being installed as a “Master” temperature sensing device it can also measure Relative Humidity when an Evaporative Cooler is installed. The measurements are used to control or set humidity conditions as follows.

Humidity control can be found within the “COOLER” settings menu.

3 options are available.



ILL1907-A

NONE

“NONE” will turn off humidity measurements



ILL1908-A

MAXIMUM HUMIDITY

In this mode the cooler will operate to achieve the set temperature. When the room humidity rises to the set humidity maximum point, the pump will stop and therefore no moisture will be added.



ILL1909-A

SET HUMIDITY

In this mode the cooler will attempt to satisfy both temperature and humidity, with humidity over-riding temperature when the temperature is satisfied but the humidity is not.



ILL1910-A

MOUNTING LOCATION

Air Sensor should be placed approximately 1.5m above the floor, in the most used room of the home or zone.

Placement is critical for correct functioning of the temperature thermostat inside the sensor.

The following points must be taken into consideration:

- Avoid direct sunlight exposure.
- Avoid mounting on external walls.
- Avoid mounting near heat sources such as stoves and televisions.
- Do not locate in the direct airflow of the duct outlets.
- Do not locate in strong drafts or in dead spots such as cupboards, drawers or corners of the room.
- Always seal the cable entry hole. Hot or cold air coming through the wall may interfere with the temperature measurement.

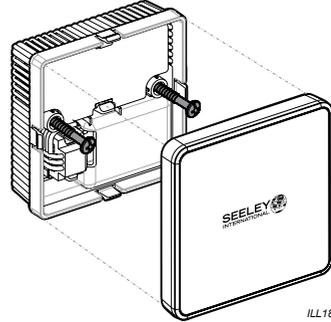
CAUTION! Always make sure there are no electrical cables, gas or water pipes, or the like, behind where you intend to drill.

CAUTION! Extra low voltage communication cables should be located away from power cables. Cross power cables perpendicularly, never run alongside.

MOUNTING OPTIONS

SCREW BOSS MOUNTING

If permanently fixing the sensor, pull off the front panel to expose the 2 screw bosses inside.

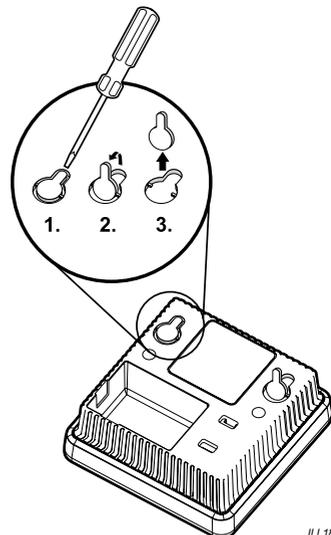


ILL1810-A

KEYHOLE MOUNTING

If using the keyhole mounting method, first remove the break-out pieces using a small screw driver to lever upwards. The piece can then be pulled out.

Important! Be careful not to damage the electronics board inside the sensor when removing the break-outs. Do not punch inwards, but twist and pull out!



ILL1811-A

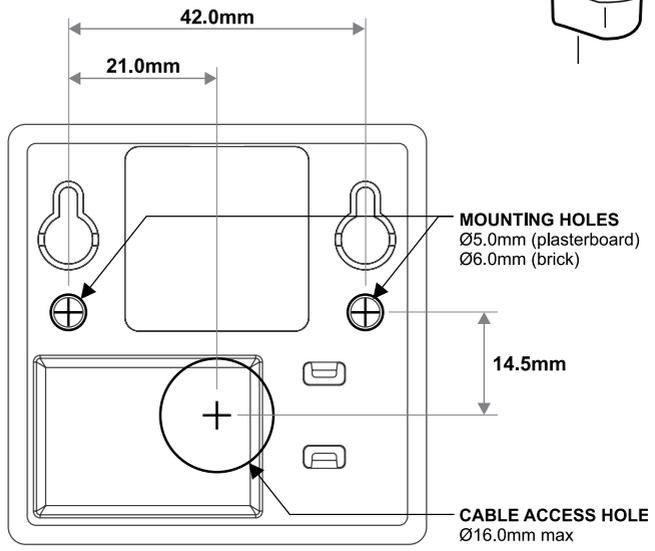


SCREW BOSS MOUNTING TEMPLATE

If using the keyhole mounting method, tear out THIS PAGE and use it as a template to mark and drill mounting holes in the correct position.



ILL1812-A

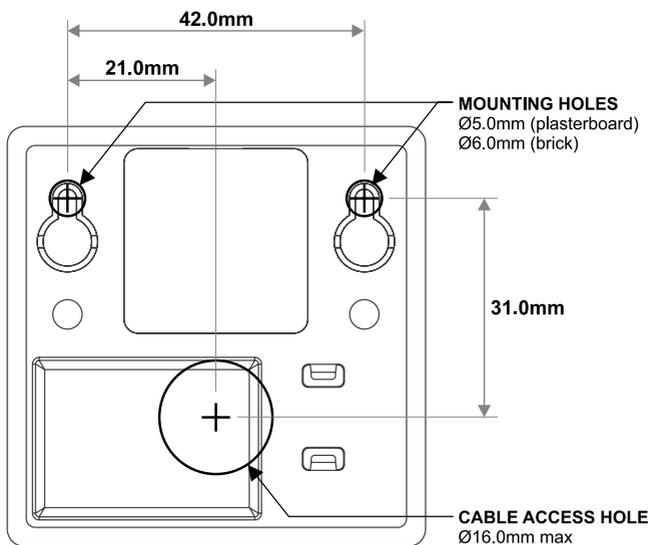
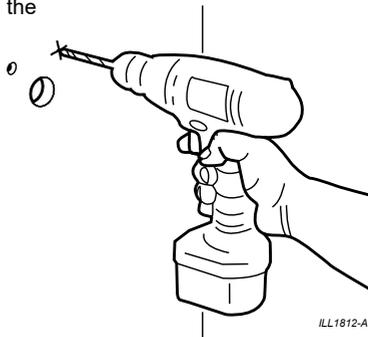


Important! Do not make the cable access hole any larger than specified. If the hole is too large or drilled out in the incorrect position it may become visible to the customer AND it may impact the performance of the sensor.



KEYHOLE MOUNTING TEMPLATE

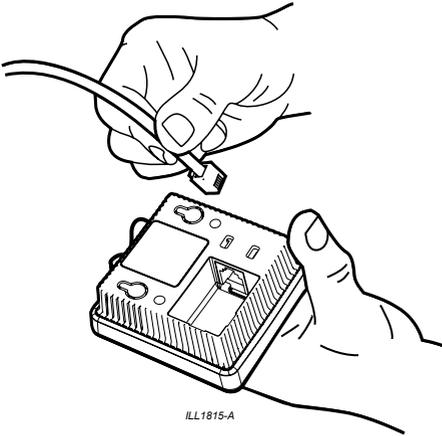
If using the keyhole mounting method, tear out THIS PAGE and use it as a template to mark and drill mounting holes in the correct position.



Important! Do not make the cable access hole any larger than specified. If the hole is too large or drilled out in the incorrect position it may become visible to the customer AND it may impact the performance of the sensor.

COMPLETING INSTALLATION

Fit the cable into the connector located in the rear.

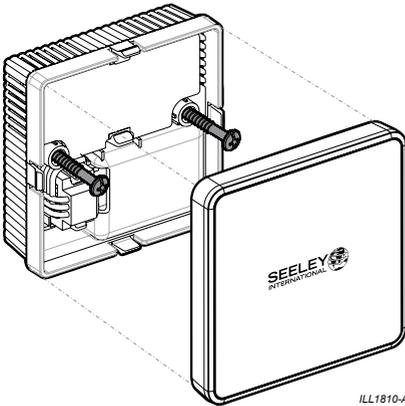


Insert wall plugs into mounting holes.

SCREW BOSS MOUNTING

Select the 2 longer screws provided in the kit.

Align the 2 bosses inside rear assembly of the Air Sensor with the plugs then fit and assemble the screws, being careful not to over tighten.



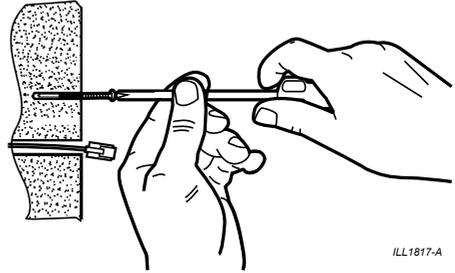
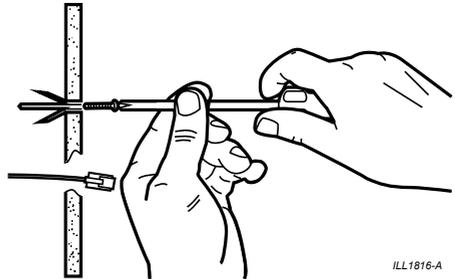
Ensure you fit the front panel back onto the sensor assembly with the logo displayed in the correct orientation.

The MagiQtouch Air Sensor is now ready to be commissioned with a MagiQtouch Controller

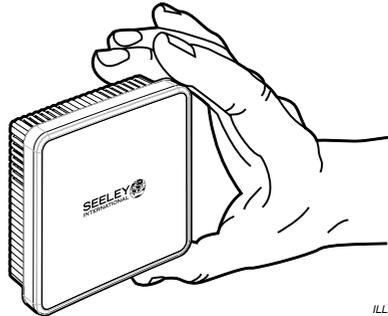
KEYHOLE MOUNTING

Select the 2 shorter screws provided in the kit.

Fit and assemble screws provided into the wall plugs leaving a 2 - 3mm gap between the screw head and the wall.



Fit the keyholes in the rear of the sensor onto the two screws. Ensure that it is held in place firmly and squarely.



The MagiQtouch Air Sensor is now ready to be commissioned with a MagiQtouch Controller.



Warranty Service
Australia 1-300-650-644

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It is the policy of Seeley International to introduce continual product improvement.
Accordingly, specifications are subject to change without notice.
Please consult with your dealer to confirm the specifications of the model selected.

MAGIQTOUCH
AIR SENSOR