

# iCONsmart

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NEXT GENERATION SMARTER VENTILATION CONTROL



## IMPROVE YOUR INDOOR AIR QUALITY

Air pollution isn't limited to busy cities, although new British homes are incredibly well built and provide excellent insulation, they are virtually airtight. This airtightness has led to indoor air being up to 50% more polluted than outdoor air.

The following tips can help you combat the issues of indoor air pollution and improve IAQ (the indoor air quality) in your home:



### TAKE YOUR SHOES OFF AT THE DOOR

Believe it or not, this simple act prevents dirt and dust amongst other things being trailed around the house. General living means that the dirt can easily turn into airborne pollutants which can exacerbate allergies and even cause respiratory problems.



### USE WOOD/TILE FLOORING WHERE POSSIBLE

Wood and tile floors are easier to clean than carpets and unlike carpets, they don't trap dirt and hair which can trigger allergies and cause respiratory problems. Carpets are also the perfect environment for collecting dust mites. Over 50% of asthmatics are sensitive to house dust mites. Using wood floor will significantly reduce the risk of dust mites building up.



### MINIMISE CONDENSATION IN YOUR BATHROOM OR KITCHEN

Everyone likes a steamy bath or a hot shower, however this causes a lot of excess moisture to develop in the room. If this moisture isn't controlled and swiftly removed from the room, it can lead to mould developing in the area. This will affect your health as the spores can trigger allergies and will also affect the health of the property.



### VENTILATE EFFECTIVELY

There is a wide range of options available to you which ensures that excess moisture and pollutants are swiftly removed from your property (and in some cases prevented from entering). By ensuring your wet rooms (kitchens, bathrooms and toilets etc.) are properly ventilated, you ensure that excess moisture isn't given the opportunity to develop into mould and damp which can negatively impact both the health of the fabric of the building and the health of you and your family.

## EXTRACT & REPLACE

The air in your home comes in from the outside through trickle vents in the windows, air bricks, leaky flooring and loft hatches and all the cracks and holes in the fabric of the building.

Once inside, air circulates around the dwelling collecting pollutants on the way through open doors or through the gaps under the doors when they are shut. It is worth noting that a 10mm gap above the finished floor covering is required by the latest Building Regulations.

This polluted air is then removed from the toilet, bathroom, en-suite, utility room or kitchen by an extractor fan.

For effective extraction to take place it is important that, even in a well sealed dwelling, there is sufficient air coming in to replace the air lost through extraction.



## INTRODUCING THE iCONsmart RANGE

Airflow are renowned for the unique and elegantly sculpted iCON range of residential extractor fans. Following their introduction, they quickly became internationally acclaimed via the Red Dot Design award and a market leader for stylish, functional ventilation.

Now iCONsmart, the next generation of this million selling range, brings new exciting and unique innovations. Exceptional quietness, next generation micro-module digital controllers and outstanding

aerodynamic performance all benefits the end user. While for the very first time the Bluetooth enabled app allows installation and ongoing diagnostics of fan performance to be controlled simply using a smart phone.

Furthermore, the iCONsmart brings paperless NICEIC notification, making old fashioned paper registration a thing of the past by electronically submitting each identified fans performance data to Building Control via the fully approved NICEIC on-line portal.

iCONsmart®15

iCONsmart®30

# iCONsmart®



## THE NEXT GENERATION

Smarter Ventilation Control Via myAirflow



# DIFFERENT TYPES OF VENTILATION CONTROL

There are four different modules available for the iCONsmart. Each type offers its own range of benefits for the user and is designed to meet different user needs. The different types of ventilation control functions and features are:



## BASIC VENTILATION SWITCHING

Basic control grants the user on/off functionality to their fan. This is typically controlled by a remote switch or with a light switch.



## RUN ON TIMER CONTROL

Run on timer control means that the fan will continue to run after it has been switched off for a pre-set length of time. These run on times can be set from 2 to 45 minutes and is designed to ensure that excess moisture, which is created whilst the room is in use, is removed. This is purchased separately to the fan.



## HUMIDITY & TIMER CONTROL

Using a fan with the Humidity & Timer function will mean that the fan will turn on once the humidity level is above the pre-set level and will continue to run until the humidity level is below the minimum threshold. The fan will continue to run on after the humidity level has gone below the pre-set level to ensure that excess moisture is removed from the room. This is purchased separately to the fan.



## MOTION SENSOR CONTROL

By having a fan with motion sensor functionality, the fan will only come on when the room is in use. A PIR sensor detects movement and causes the fan to switch on. The fan will continue to run on after the user has left the room to ensure all excess moisture is removed from the room. This is purchased separately to the fan.



## DELAY START

Delay start feature enables you to prevent the fan from being activated when using the room for a quick visit. The delay start feature is available with any module purchased and is set to delay the fan for 2 minutes.



## ROOM REFRESH

Room refresh is an interval timer that enables automatic extraction at pre-set times if required. This feature is available with any module purchased.



## SILENT HOURS

Silent hours feature allows the user to set a period when they do not want the fan to turn on. This feature is available with any module purchased.



## APP CONTROLS

Control your iCONsmart with your device using Bluetooth connectivity, myAirflow can be downloaded via the App Store or Google Play.



## DATA EXPORT

The performance of the fan can be monitored and the data can be exported and downloaded when required. This can be up to a 3 month rolling period. This feature is available with the basic fan.



## FLOW RATE SETTINGS

View on-going flow rates on the modern visual interface. This feature is available with the basic fan.



## WEB REGISTRATION - NICEIC

NICEIC notification and certification for your ventilation product, this is electronically stored on the NICEIC database. This feature is available with the basic fan.

# MEET THE RANGE



## **iCONSMART 15** TOILET, BATHROOM AND EN-SUITE

The iCONsmart 15 is ideal for toilets, en-suites, shower rooms and bathrooms. Stylish and unobtrusive, designed to be recessed into a wall or ceiling.



## **iCONSMART 30** BATHROOM AND UTILITY ROOM

The iCONsmart 30 is ideal for bathrooms and utility rooms. Quiet, powerful and designed to be recessed into a wall or ceiling.

The iCONsmart iris shutters operate silently whilst preventing backdraughts from outside. iCONsmart's revolutionary design ensures effective ventilation, which is quiet and uses minimal energy, for various applications.

The design includes iCONsmart's micro modules, which allows you to create a fan to suit your specific needs. iCONsmart's round design means fitting in the wall or ceiling is simple, and with three versions, are suitable to install in any room; small or large.



## **A FAN FOR EVERY ROOM**

The iCONsmart range of fans can bring cohesion to your home furnishings. The range ensures the aesthetics of your home can carry on from room to room by utilising the same style fan in all your wet rooms. The sleek and discrete design means there is no intrusion to your aesthetics making iCONsmart the perfect choice.



## **PEACEFULLY QUIET**

| iCONsmart Range | dB(A) @ 3 meters |
|-----------------|------------------|
| iCONsmart 15    | 23               |
| iCONsmart 30    | 26               |



# iCONsmart®



## THE WORLDS FIRST QUIET MARK APPROVED RANGE



The range includes the iCONsmart 15 and 30, which provide flow rates of 22 l/s and 42 l/s respectively. The range has achieved Quiet Mark certification which means the fans offer market leading sound performance for the extraction rates required to maintain a healthy indoor air quality.

# iCONsmart®



Select the size of your fan

|                           |
|---------------------------|
| <b>BASIC</b><br>SWITCHING |
| iCONsmart FAN             |
| iCONsmart 15              |
| iCONsmart 30              |



Select additional functions

TIMER FUNCTIONALITY UNLOCK CODE (on a scratch card)

|          |  |
|----------|--|
| 72687224 |  |
|----------|--|

YOUR iCONsmart MICRO MODULE PLUG-IN

|          |  |  |
|----------|--|--|
| 72687225 |  |  |
|----------|--|--|

|          |  |  |
|----------|--|--|
| 72687226 |  |  |
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|          |  |  |  |
|----------|--|--|--|
| 72687227 |  |  |  |
|----------|--|--|--|

# ZONES FOR EXTRACTOR FANS

## WHAT IS IP RATING?

IP stands for ingress protection and consists of two digits measuring how well a product is protected from both solid objects (particulate protection) and liquids (moisture protection).

The first digit tells us how well the product is protected from solid objects and the second one is about resistance to water.

However, if there is an X instead of a number this simply means it has not been tested or there is no protection. For example, IPX5 means there is no protection for solids (first number) but can protect from low-pressure jets (second number).

The iCONsmart is IPX5 meaning protection against low-pressure jets (6.3 mm) of directed water from any angle.

**THE ICONSMART RANGE IS IPX5 RATED MEANING IT CAN BE FITTED ANYWHERE EXCEPT ZONE 0. THIS IS TO COMPLY WITH BRITISH STANDARD REQUIREMENTS FOR ELECTRICAL INSTALLATION (BS7671).**

## ZONE INFORMATION

UK Building Regulations specify the requirements for electrical installation, specifically extractor fans, by zone.

### ZONE 0

Zone 0 is the area inside of the bath or a shower tray that can physically hold or contain water which prohibits any fan from being installed.

### ZONE 1 - iCONsmart 15, iCONsmart 30

The area directly above zone 0, is limited to a height of 2.25m from the finished floor level. IPX4 fans can be installed in zone 1 if the shower head is fixed and cannot be rotated towards the fan. Otherwise, IPX5 is required.

### ZONE 2 - iCONsmart 15, iCONsmart 30

Zone 2 is the zone beyond zones 0 and 1, continuing 0.6m horizontally and up to 2.25m vertically. IPX4 or higher protection is required.

We recommend that all fan installations should be carried out by a fully qualified and registered electrician.

Fig. 1

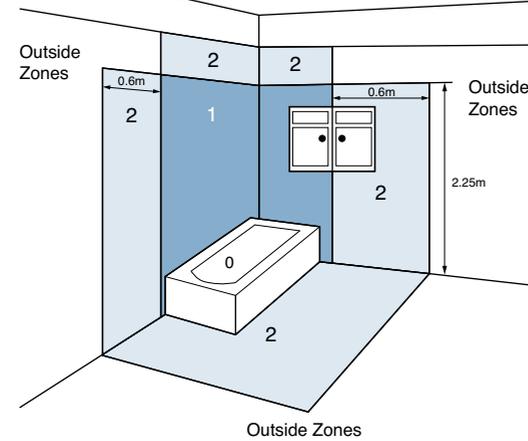


Fig. 2

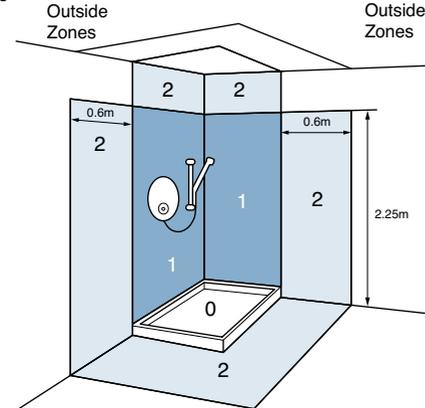
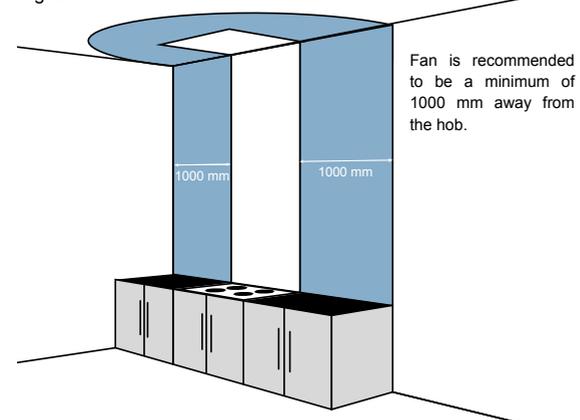


Fig. 3



Fan is recommended to be a minimum of 1000 mm away from the hob.

## WHICH FAN WHERE?

|              | Toilet | En-Suite / Bathroom | Utility Room | Kitchen |
|--------------|--------|---------------------|--------------|---------|
| FAN TYPE     |        |                     |              |         |
| iCONsmart 15 | ⊙      | Zones 1 or 2        | —            | —       |
| iCONsmart 30 | ⊙      | Zones 1 or 2        | ⊙            | —       |

Guidance only: Install fans in accordance with IEE wiring regulations 18th edition (BS7671:2018)

### Note: Air flow rates applicable to England, Wales and Northern Ireland

When using iCONsmart fans on their own or in conjunction with a recirculating cooker hood, Airflow recommends they are positioned a reasonable distance away from the hob as shown in Fig 3. This is to cut down on grease emitted from the hob that can build up in the fan and the duct system.





## EASY TO INSTALL

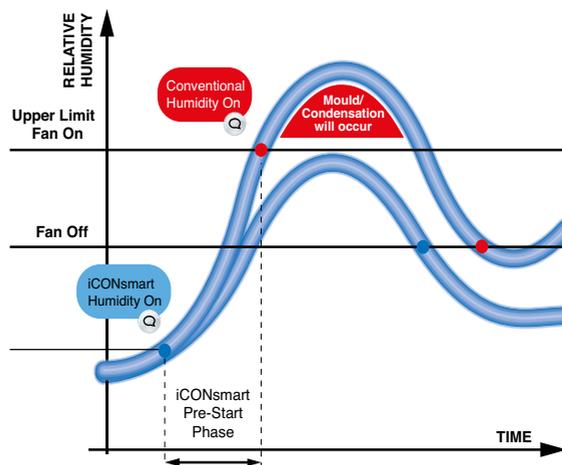
The iCONsmart has been engineered to allow for ease of installation. The circular design, originating from the iCON range, means that no squaring up is required during install. Designed to be recessed into the ceiling or wall, this range of fans are discreet in both their sound and their appearance.

## INTELLIGENT HUMIDITY

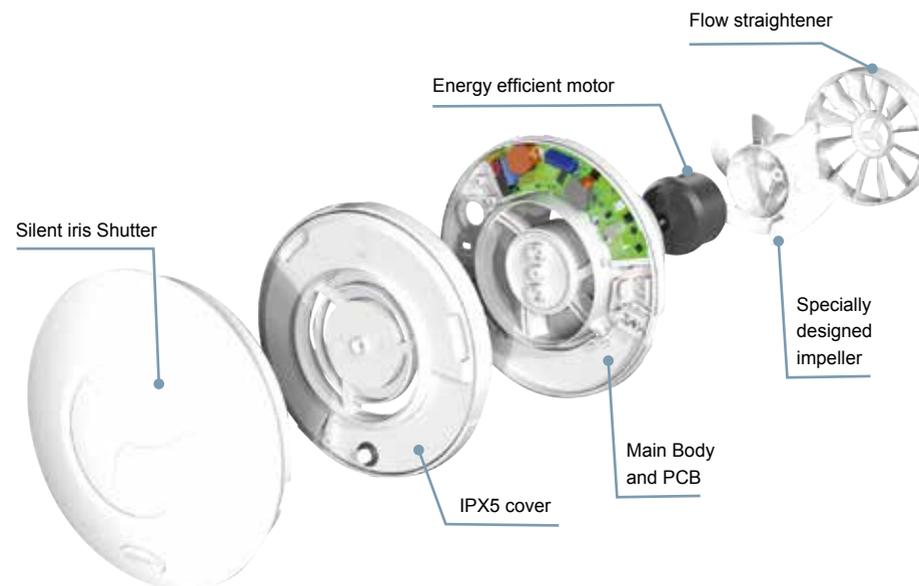
The intelligent Humidity Sensor offers an additional feature of being able to recognise a rapid increase in humidity and activates the fan before the pre-set level is reached, so that preventative ventilation commences.

Should this occur, the fan switches off when the humidity is within 10% of the set level.

The benefits are that power consumption is kept to a minimum and noise levels are reduced whilst ensuring optimum ventilation without the need for user intervention.



## IT'S ALL IN THE DETAIL



## THE TÜV RHEINLAND TEST MARK

### ALWAYS A GOOD SIGN

Airflow has gone the extra mile to get the iCONsmart rigorously CB tested and FCC certified to demonstrate the thoughtful engineering behind the fan design.

The iCONsmart has been awarded the TÜV certification for its safety, functionality and quality. The unique QR code found on all iCONsmart boxes will take you directly to the certification page to view the product certificate.



# THE SUM OF THE PARTS



## KEY FEATURES

- Low power consumption
- Very quiet
- Ceiling or wall mounted
- Multi-function modules; Timer, Humidity & Timer, Motion Sensor & Timer, Motion Sensor with Humidity & Timer
- IPX5
- Real time data available
- Modules fit in all fans
- NICEIC paperless notification
- Available in sizes, 100 mm, 125 mm
- Silent shutter

## FLOW SENSOR

The iCONsmart fan contains a newly developed flow sensor. The sensor is completely waterproof, recovering quickly when it gets wet.



## EC MOTOR

The iCONsmart utilises the newest EC Motor which is highly efficient and energy saving.



## IMPELLER

Specifically designed with Fluid Dynamics, iCONsmart has a bespoke impeller. Designed to increase air performance whilst reducing pollutant noise.



TIMER  
UNLOCK CODE



HUMIDITY &  
TIMER



MOTION  
SENSOR &  
TIMER



MOTION SENSOR WITH  
HUMIDITY & TIMER

## MICRO MODULES

The all new micro modules are small and simple to install.

You have a choice of the following module packs: Timer, Humidity & Timer, Motion Sensor & Timer, Motion Sensor with Humidity & Timer.

- Easy to install
- Digital modules
- Compact design
- Enabled and adjusted via myAirflow
- Same modules fit all three fans



| Product                                    | Part Number |
|--|-------------|
| Timer module (unlock code)                 | 72687224    |
| Humidity & Timer module                    | 72687225    |
| Motion Sensor & Timer module               | 72687226    |
| Motion Sensor with Humidity & Timer module | 72687227    |

## MOTION SENSOR

The iCONsmart fan has the latest PIR sensor technology which has evolved from the original analogue sensor found in the iCON range.

## HUMIDITY SENSOR

The iCONsmart fan has the latest digital humidity sensor. It is more accurate and has a faster response time to recognise a rapid increase in humidity.



# DESIGNED WITH YOU IN MIND

## END USER

- Easily upgrade your fan by purchasing the brand-new digital micro modules
- Interchange digital micro modules between the iCONsmart range in your home
- Smart features controllable via myAirflow app



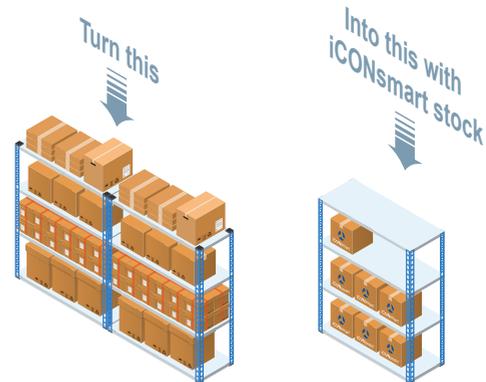
## INSTALLER

- Interchangeable modules
- Full range of fans and functionality with a reduced amount of components
- Register notifiable works electronically using myAirflow
- Space saving in your vehicle



## STOCKIST

- Full range of fans and functionality with smaller investment
- Space saving in stock
- 3 Fans & 4 Modules = 15 Choices
- Confidence in a compliant range for all applications in the home



Your stockist will definitely meet your needs, as typically a range with this much choice will look like this...

...and ours looks like this

# THE RANGE



iCONsmart<sup>®</sup> 15



iCONsmart<sup>®</sup> 30

# MICRO MODULES

You have a choice of the following module packs:

Timer, Humidity & Timer, Motion Sensor & Timer,  
Motion Sensor with Humidity & Timer.



## Plug & play

- Timer functionalities are accessible by entering a six-digit unlock code
- Unlock code is classed as a module and packaged as such
- The code is on a card that you scratch off to reveal

# THE BASIC



## iCONsmart FUNCTIONS WITHOUT INSTALLING ANY MODULES:

You have never been more in control of your indoor air quality than with the iCONsmart. As standard it includes:

- Bluetooth connection to your smart device
- Setting flow rates
- Commission and notification to NICEIC of an installation
- As standard (basic fan) 3 months rolling log of power consumption, Time on and flow rates recording.
- Customisable fan name
- Built in unlockable Timer Module
- View NICEIC registration details (Fan serial number, name, address)

By using the next generation Micro Modules, you can customise the iCONsmart to suit your needs, whether that is with Timer, Humidity or Motion Sensor functionality. The micro modules can be used in isolation or you can combine them to give more functionality.

iCONsmart®



# TIMER CARD

## UNIQUE TO YOUR FAN

The iCONsmart has a built in Timer Module in every fan. The Timer functionalities can be accessed by a unique unlock code found on a timer card, within the Timer Module carton. The unique code can be revealed by scratching off the cover on the card.

By unlocking the Timer functionalities, the user will have access to a wide range of functions and features; an adjustable Run on timer between 2 and 45 minutes, a Silent hours feature to keep the fan quiet, a Room refresh to keep the health of the room optimal and a Delay start to prevent disturbing the user when using the room for a quick visit.



# HUMIDITY & TIMER PLUGIN MODULE INSTALLATION



The Humidity & Timer (HT) Module allows you to control the humidity level of the room from 35% to 95%. This will give you access to view the Humidity and Temperature usage data log as well as exporting it, these features can be viewed using myAirflow.

1. Remove the front cover by undoing the screw at the bottom and twist anticlockwise to remove.
2. Remove the IPX cover by undoing the screw in the centre.
3. Remove the existing holder from the main body. Shown in **Figure 3**.
4. Place the Humidity & Timer Module into the existing holders position and screw into place as shown in **Figure 4**.
5. Attach the cable supplied into the Humidity & Timer Module and connect to the available terminal as show in **Figure 5**.
6. Place IPX cover back on and secure with screw in the center. Then place the front cover back on and re-screw.
7. Download myAirflow app and connect your extractor fan to your device.

# MOTION SENSOR & TIMER PLUGIN MODULE INSTALLATION

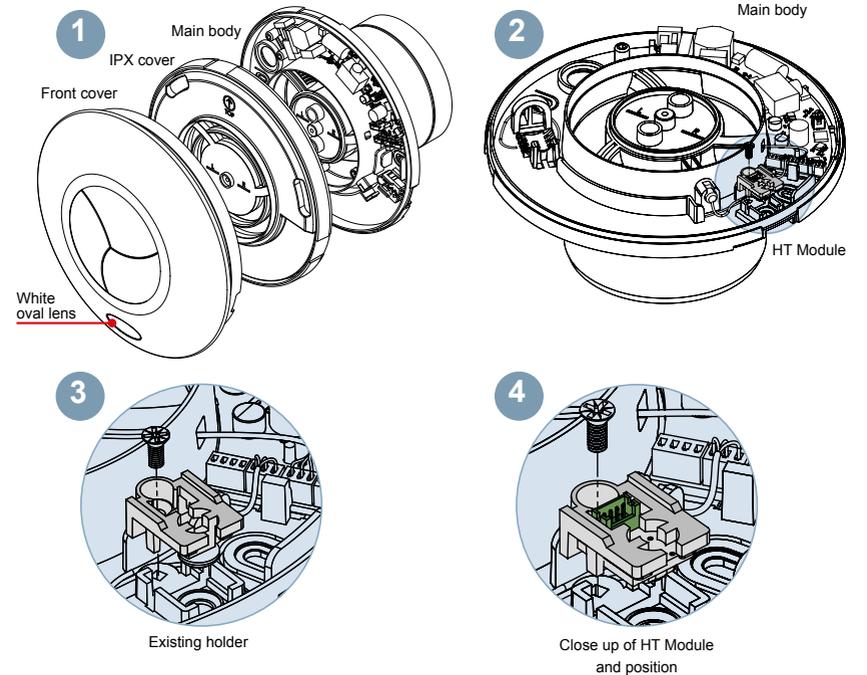


The Motion Sensor & Timer (MST) Module allows you to activate the iCONsmart when motion is detected. Once installed ensure that Motion Sensor is activated in myAirflow - Settings - Motion Sensor Activation.

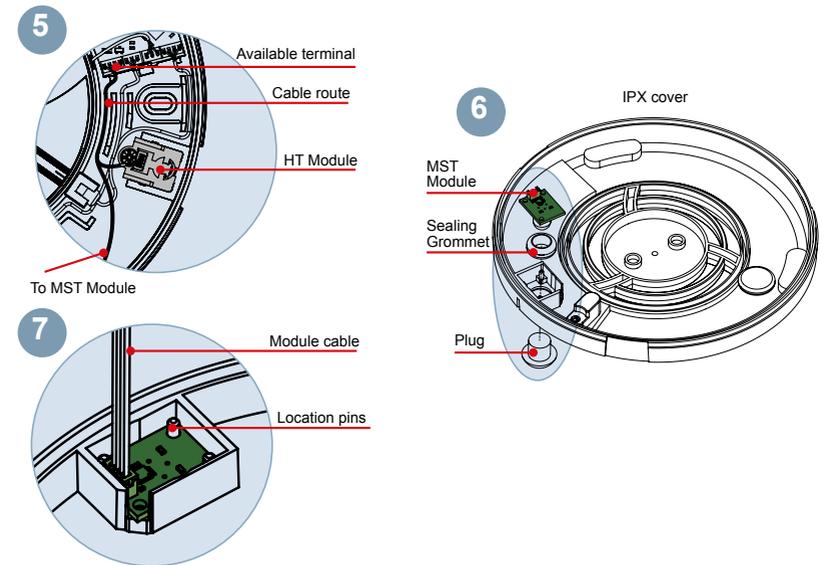
1. Remove the front cover by undoing the screw at the bottom and twist anticlockwise to remove.
2. Remove the IPX cover by undoing the screw in the centre.
3. Remove the Plug already in the IPX cover, replace with the Sealing Grommet supplied. Shown in **Figure 6**.
4. Position the MST Module in the Sealing Grommet, ensure location pins line up and press firmly into the seal. Attach the cable supplied into the MST Module once secured in the IPX cover. Shown in **Figure 7**.
5. Connect the cable from the MST Module into the available terminal. Shown in **Figure 5**.
6. Firmly push white oval lens from inside the front cover and replace with the translucent lens supplied with the MST Module. Shown in **Figure 1**.
7. Place IPX cover back on and secure with screw in the center. Then place the front cover back on and re-screw.
8. Download myAirflow app and connect your extractor fan to your device.

**THE MODULE IS PURCHASED SEPARATELY FROM THE FAN, DEPENDANT ON YOUR CHOICE OF FUNCTIONALITY**

# HUMIDITY & TIMER MODULE INSTALLATION



# MOTION SENSOR & TIMER MODULE INSTALLATION





# myAirflow app



The iCONsmart and myAirflow do not only benefit the ease of set up and installation, the homeowner will continue to benefit from this extractor fan as the integrated network connection puts all the power in their hands. The iCONsmart is a vital piece of home automation technology which works in sync with the rest of your smart home gadgets. Bluetooth control allows your phone to be the hub of your house with full control at your fingertips.

## APP INFORMATION FOR FIRST TIME USERS

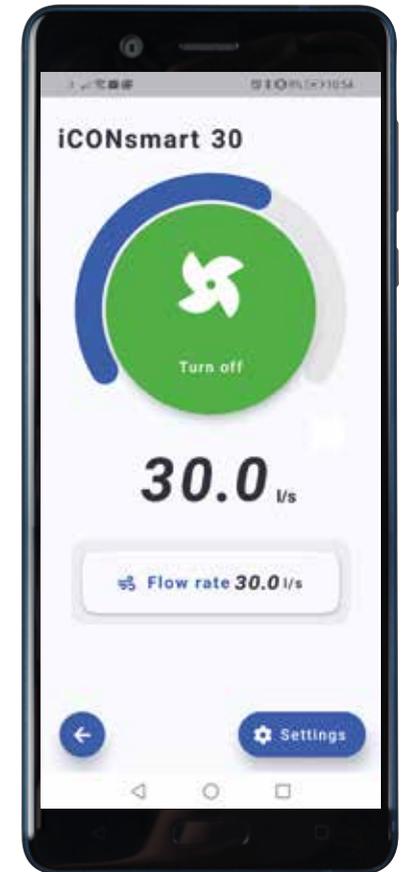


When the iCONsmart is first powered on, you will hear the initial reset for 10-15 seconds. This is normal and will occur if the fan is in its reset mode.

### APP CONTROL AND SETUP

To activate the iCONsmart and to set it up:

1. Download and install myAirflow on your device from the App Store or Google Play.
2. Open myAirflow, ensuring Bluetooth is enabled on your device.
3. Follow the simple setup process shown on your screen. This includes setting the flow rate, fan naming, NICEIC certification and Timer Module settings.



## THE NEXT GENERATION

Smarter Ventilation  
Control Via myAirflow



### HOME

From this page you can activate the fan, as well as view the current flow rate.



### USAGE DATA

The iCONsmart stores up to a 3-month log of the total of Energy Consumption, Time On, Temperature, Humidity levels and Flow rates.

Humidity module is required to access the Temperature and Humidity level data log.



### SETTINGS

Contains all the adjustable settings from the setup and more; Flow rate, Fan naming, NICEIC certification, Unlock Timer functionality and all module parameters.

# myAirflow IS USER FRIENDLY

## FOR OUR CUSTOMER

Below is an example of how easy the app interface and the setup journey is to use.



1. Splash Page

The Airflow loading screen that will appear and welcomes you, when you first start up myAirflow.



2. Fans Connected Page

This is the list of available fans within your vicinity that have previously been setup and are connectable.



3. Fans Found Page

The list of available fans for connection will appear, select your iCONsmart to begin the setup process.



7. Delay Start

Delay start enables you to prevent the fan from being activated when using the room for a quick visit.



8. Run On Timer

You can adjust the run on timer period from 2 to 45 minutes.



9. Silent Hours

This feature allows the user to set a period they do not want the fan to turn on.



4. Fan Naming Page

myAirflow allows you to completely customise your fan's name.



5. Flow Rate Setting Page

The adjustable flow rate setting allows you to choose the right ventilation for you.



6. Unlock Timer

The timer functionalities can be accessed by a unique unlock code found on a timer card.



10. Room Refresh

This feature enables automatic extraction at pre set times.



11. NICEIC

If you are an NICEIC accredited installer, you can effortlessly notify the Building Control Body of your installed fan.



12. Setting Page

All your adjustable settings can be accessed via the setting page within myAirflow.

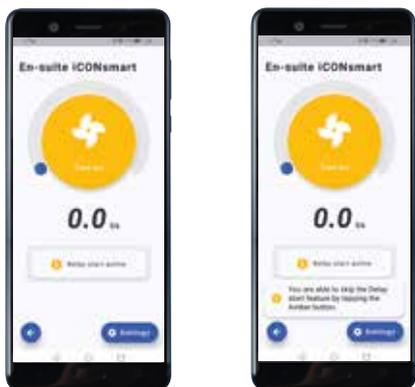
# ICONSMART LIVE STATUS FEATURE

The iCONsmart app allows the user to have full control over their fan. When navigating throughout the app the user will encounter a colour coded system to help them understand their iCONsmart status. On the main screen the button will be one of five colours; Black, Green, Amber, Pale Green or Pale Amber.

These colours represent the Fan status which shows the live performance of the fan motor. These colours will show up when any of the functions or features are activated. Black represents off, Green represents On and Amber represents the fan live status.

## DELAY START

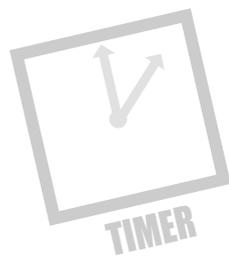
When Delay start is activated, the app will show an Amber colour button and notifies the user that the fan is in Delay start mode. You are also able to skip this feature by tapping the amber button, forcing the fan to switch on.



## RUN ON TIMER

The Run on Timer is activated when turning the fan off by any of these functions; Switch Live, Room Refresh, Humidity or Motion Sensor. When this happens, the app will show an Amber colour button and notifies the user that the fan is in its Run on Timer mode.

If the user wishes to skip the Run on Timer functionality and force the fan to switch off, you simply push the Amber button and the fan will switch off immediately.



## SWITCHED LIVE

If the fan has been activated by a manual switch and the fan is not yet in its Run on Timer period, the app will show a Pale Green colour button and notifies that the user will not be able to turn the fan off.

However, if the fan has been activated then deactivated by a manual switch, the app will show an Amber colour button and notifies the user that the fan is in its Run on Timer mode. If the user wishes to skip the Switched Live Run on Timer period, you simply push the Amber button and the fan will switch off immediately.



## HUMIDITY SENSOR

If the fan has been activated by the Humidity sensor the app will show a greyed out Green colour button and notifies that the user will not be able to turn the fan off until humidity goes below the set level.

Once humidity reaches the set level, the app will show an Amber colour button and notifies the user that the fan is in its Run on Timer mode. If the user wishes to skip the Humidity sensor Run on Timer period, you simply push the Amber button and the fan will switch off immediately.

Please Note that you are still able to skip Humidity functionality by increasing the Humidity level in the app settings, however, we do not recommend that as it will cause a bad effect on your Indoor Air Quality.

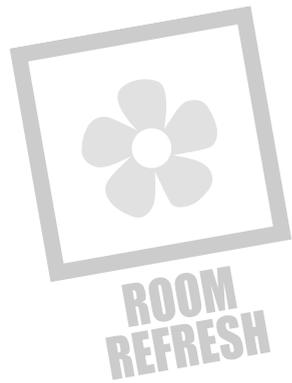
## MOTION SENSOR

If the fan has been activated by the Motion sensor the app will show a greyed out Green colour button and notifies that the user will not be able to turn the fan off until there is no motion detected.

When that happens, the app will show an Amber colour button and notifies the user that the fan is in its Run on Timer mode. If the user wishes to skip the Motion sensor Run on Timer period, you simply push the Amber button and the fan will switch off immediately.

Please Note that you can activate and deactivate the motion sensor functionality from the app settings.

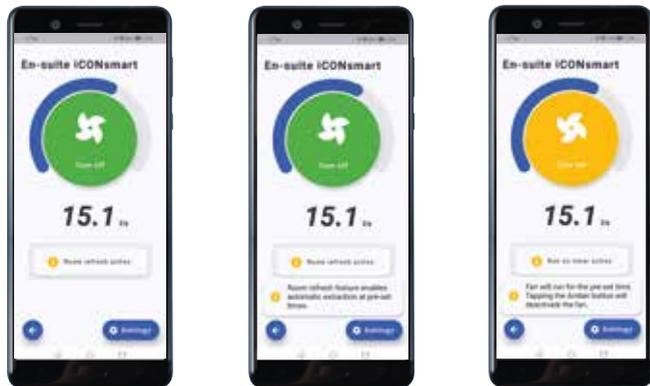




### ROOM REFRESH

If the fan has been activated by the Room refresh feature the app will show a Green colour button and notifies the user that the fan is in its Room refresh period. If the user wishes to skip the Room refresh, simply push on the Green button and the fan will go into Run on Timer mode.

If the user also wants to skip the Room refresh Run on Timer period, you simply push the Amber button and the fan will switch off immediately.



### TURNING OFF

If the fan has been deactivated by any means, the app will show a Pale Amber colour button which means that the fan is Turning off and this will continue to show until the iCONsmart iris shutters are fully closed.

## USAGE DATA BAR CHARTS

The usage data functionality provides landlords with data on the fans usage and allows the landlord to check if their tenants have been using the fan appropriately. The landlord will be able to view the recorded usage data on their phone as well as to export and download.

The iCONsmart stores up to a 3-month log of the total of Power Consumption, Time On, Temperature, Humidity levels and Flow rates.

Humidity module is required to access the Temperature and Humidity level data log.



### POWER CONSUMPTION

This is to show how much power the fan has consumed each day.

### HUMIDITY LEVEL

This shows the humidity level in the room each day.

### TIME ON

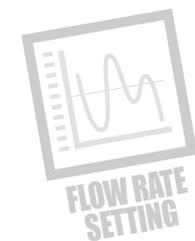
This is to show how long the fan has been on for.

### TEMPERATURE

This shows the temperature levels in the room each day.

### FLOW RATES

This shows the different flow rates the fan ran at each day.

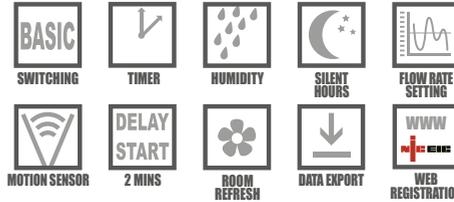




# iCONsmart 15

iCONsmart is the next generation in the iCON range. Designed to be recessed into the ceiling or wall, it is stylish and unobtrusive, even in the smallest of rooms. Bluetooth technology enables quick and easy commissioning using myAirflow. This is the smallest in a family of fans that are the worlds first quiet mark approved range.

By using the next generation micro modules, you can customise the iCONsmart to suit your needs, whether that is with Timer, Humidity or Motion Sensing functionality, you can mix and match them all.



## FEATURES

- Flow rate up to 22 l/s - 79 m³/hr
- Designed to be recessed into the ceiling or wall
- Digital micro multifunction modules: Timer, Humidity & Timer, Motion sensor & Timer, Motion sensor with Humidity & Timer
- Modules fit in all fan sizes
- IPX5
- Bluetooth, App controlled
- Real time data available
- NICEIC paperless notification
- Silent shutter
- 5 Year guarantee
- Cantilever lugs to facilitate uneven surfaces
- Prevents backdraughts
- Prevents noise ingress
- Reduces heat loss compared to other styles
- Sleek and stylish
- Easier to install than a square fan, no straight edges to worry about

## TECHNICAL DATA

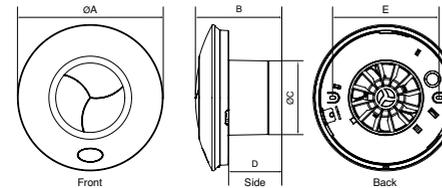
| Specification                   | iCONsmart 15                    |
|---------------------------------|---------------------------------|
| Air flow (min-max) m³/h / l/s   | 18 - 79 / 5 - 22                |
| Fan type                        | Axial                           |
| Mounting position               | Wall / Ceiling                  |
| Sound pressure dB(A) @ 3 m      | 23.5                            |
| Power (W)                       | 3.2                             |
| Specific Fan Power (W/l/s) from | 0.14                            |
| Building regulations ADF        | Yes                             |
| Duct diameter (mm)              | 100                             |
| Supply voltage                  | 110 - 240V AC / 1ph / 50 - 60Hz |
| Ingress protection rating       | IPX5                            |
| Max ambient temperature (°C)    | 40                              |
| Weight (kg)                     | 0.7                             |
| Dimensions H x W x D (mm)       | 194 x 194 x 118                 |
| Part number                     | 72687221                        |

## MODULES

|          |      |  |
|----------|------|--|
| 72687224 | TM   | Timer: Can be set to run between 2-45 min        |
| 72687225 | HT   | Humidity & Timer: Can be set between 35 - 95% RH |
| 72687226 | MST  | Motion Sensor & Timer: PIR activates fan         |
| 72687227 | MSHT | Motion Sensor with Humidity & Timer              |



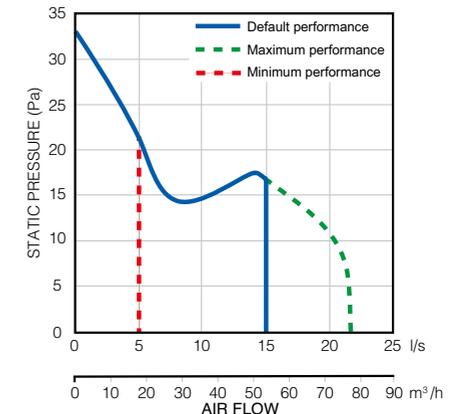
## DIMENSIONS



| Model        | A   | B   | C  | D  | E   |
|--------------|-----|-----|----|----|-----|
| iCONsmart 15 | 194 | 118 | 99 | 72 | 144 |

The inbuilt flow sensor gives you ultimate control. This graph shows the performance which can be set between 5 & 22 l/s (default 15 l/s). To find the system pressure for your set flow rate simply draw a line up from the Air flow l/s or m³/h until it joins the curve above, index across to the left for system pressure available pascals (Pa).

## PERFORMANCE

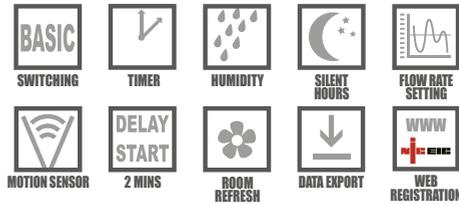




# iCONsmart 30

iCONsmart is the next generation in the iCON range. Designed to be recessed into the ceiling or wall, it is stylish and unobtrusive, even in the smallest of rooms. Bluetooth technology enables quick and easy commissioning using myAirflow.

By using the next generation micro modules, you can customise the iCONsmart to suit your needs, whether that is with Timer, Humidity or Motion Sensing functionality, you can mix and match them all.



- Flow rate up to 42 l/s - 151 m<sup>3</sup>/hr
- Designed to be recessed into the ceiling or wall
- Digital micro multifunction modules: Timer, Humidity & Timer, Motion sensor & Timer, Motion sensor with Humidity & Timer
- Modules fit in all fan sizes
- IPX5
- Bluetooth, App controlled
- Real time data available
- NICEIC paperless notification
- Silent shutter
- 5 Year guarantee
- Cantilever lugs to facilitate uneven surfaces
- Prevents backdraughts
- Prevents noise ingress
- Reduces heat loss compared to other styles
- Sleek and stylish
- Easier to install than a square fan, no straight edges to worry about

# TECHNICAL DATA

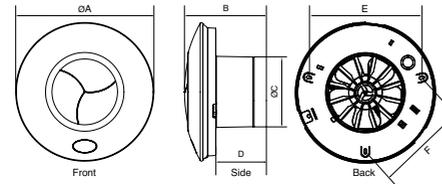
| Specification                              | iCONsmart 30                    |
|--|---------------------------------|
| Air flow (min-max) m <sup>3</sup> /h / l/s | 36 - 151 / 10 - 42              |
| Fan type                                   | Axial                           |
| Mounting position                          | Wall / Ceiling                  |
| Sound pressure dB(A) @ 3 m                 | 26.3                            |
| Power (W)                                  | 4.7                             |
| Specific Fan Power (W/l/s) from            | 0.11                            |
| Building regulations ADF                   | Yes                             |
| Duct diameter (mm)                         | 125                             |
| Supply voltage                             | 110 - 240V AC / 1ph / 50 - 60Hz |
| Ingress protection rating                  | IPX5                            |
| Max ambient temperature (°C)               | 40                              |
| Weight (kg)                                | 1                               |
| Dimensions H x W x D (mm)                  | 246 x 246 x 123                 |
| Part number                                | 72687222                        |

## MODULES

|          |      |  |
|----------|------|--|
| 72687224 | TM   | Timer: Can be set to run between 2-45 min        |
| 72687225 | HT   | Humidity & Timer: Can be set between 35 - 95% RH |
| 72687226 | MST  | Motion Sensor & Timer: PIR activates fan         |
| 72687227 | MSHT | Motion Sensor with Humidity & Timer              |



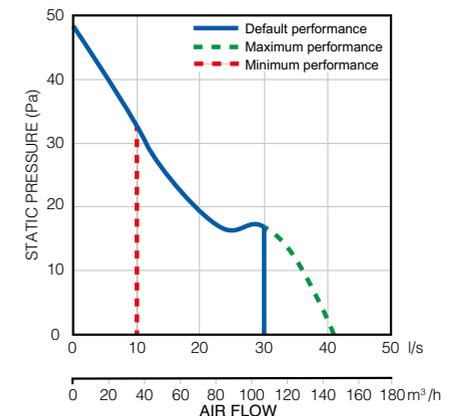
## DIMENSIONS



| Model        | A   | B   | C   | D  | E   | F   |
|--------------|-----|-----|-----|----|-----|-----|
| iCONsmart 30 | 246 | 123 | 123 | 67 | 172 | 143 |

The inbuilt flow sensor gives you ultimate control. This graph shows the performance which can be set between 10 & 42 l/s. To find the system pressure for your set flow rate simply draw a line up from the Air flow l/s or m<sup>3</sup>/h until it joins the curve above, index across to the left for system pressure available pascals (Pa).

## PERFORMANCE

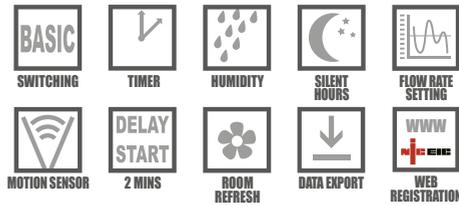




# iCONsmart 60

iCONsmart is the next generation in the iCON range. Designed to be recessed into the ceiling or wall, the iCONsmart 60 is stylish and unobtrusive, even in the smallest of rooms. Bluetooth technology enables quick and easy commissioning using myAirflow.

By using the next generation micro modules, you can customise the iCONsmart to suit your needs, whether that is with Timer, Humidity or Motion Sensing functionality, you can mix and match them all.



## FEATURES

- Designed to be recessed into the ceiling or wall
- Digital micro multifunction modules: Timer, Humidity & Timer, Motion Sensor & Timer, Motion Sensor with Humidity & Timer
- Modules fit in all fan sizes
- IPX5
- Bluetooth, App controlled
- Real time data available
- NICEIC paperless notification
- Silent shutter
- 5 Year guarantee
- Cantilever lugs to facilitate uneven surfaces
- Prevents backdraughts
- Prevents noise ingress
- Reduces heat loss compared to other styles
- Sleek and stylish
- Easier to install than a square fan, no straight edges to worry about

# iCONsmart® 60



In development

# FAN SELECTION SOFTWARE

airflowselectair.co.uk

## SELECTAIR

Airflow's Selectair selection software allows you to filter through products from our Domestic, Commercial, Industrial and Heat Recovery range to find products which are suitable for your application.

The software has been designed to ensure that products fulfil the requirements of your application. It is logical and user friendly, making the search for your perfect fan as easy as possible. Simply enter your room, location

and performance details and Selectair will filter through our ranges and pull out the complying fans.

You then have the choice of the search results and have the confidence and reassurance that the fan you are using meets the set requirements for efficient and effective ventilation.



# ACCESSORIES

FOR USE WITH YOUR FAN

### White Rigid Cavity Wall Kit



| Part No. |                    |
|----------|--------------------|
| 90001018 | 100mm x 350mm Duct |
| 90001019 | 125mm x 350mm Duct |
| 90001020 | 150mm x 350mm Duct |

### Terracotta Rigid Cavity Wall Kit



| Part No. |                    |
|----------|--------------------|
| 90001015 | 100mm x 350mm Duct |
| 90001016 | 125mm x 350mm Duct |
| 90001017 | 150mm x 350mm Duct |

### White Flexible Wall Kit



| Part No. |                 |
|----------|-----------------|
| 72643602 | 100mm x 3m Duct |
| 90000438 | 125mm x 3m Duct |
| 72643604 | 150mm x 3m Duct |

### Terracotta Flexible Wall Kit



| Part No. |                 |
|----------|-----------------|
| 72643601 | 100mm x 3m Duct |
| 90000437 | 125mm x 3m Duct |
| 72643603 | 150mm x 3m Duct |

### Kitchen Cooker Hood Kit



| Part No. |                    |
|----------|--------------------|
| 90000988 | 125mm 3m Ducting W |
| 90000989 | 150mm 3m Ducting W |

### Round Cowl with Louvres and Fly Screen



| Part No. |         |
|----------|---------|
| 52644501 | Ø 100mm |
| 90001016 | Ø 125mm |
| 90001017 | Ø 150mm |

### Round Cowl with Mesh



| Part No. |         |
|----------|---------|
| 52644701 | Ø 100mm |
| 9041228  | Ø 125mm |
| 52644801 | Ø 150mm |

### Condensation Trap



| Part No. |         |
|----------|---------|
| 51978301 | Ø 100mm |
| 90001242 | Ø 125mm |
| 52364801 | Ø 150mm |

### PVC Flexible Duct



| Part No. |                  |
|----------|------------------|
| 52641005 | 100mm x 1m hose  |
| 52641001 | 100mm x 3m hose  |
| 52641002 | 100mm x 6m hose  |
| 52641006 | 100mm x 15m hose |
| 52641007 | 100mm x 45m hose |

### 100mm Fixed Grille



| Part No. |                          |
|----------|--------------------------|
| 52641101 | 140mm x 140mm White      |
| 52641102 | 140mm x 140mm Grey       |
| 52641103 | 140mm x 140mm Terracotta |
| 52641104 | 140mm x 140mm Brown      |
| 52641105 | 140mm x 140mm Beige      |

### 100mm Fixed Grille with Flyscreen



| Part No. |                          |
|----------|--------------------------|
| 9021172  | 140mm x 140mm White      |
| 90002009 | 140mm x 140mm Black      |
| 9021082  | 140mm x 140mm Terracotta |
| 9021012  | 140mm x 140mm Brown      |
| 90002008 | 140mm x 140mm Beige      |

### 100mm Gravity Grille



| Part No. |                          |
|----------|--------------------------|
| 51971101 | 140mm x 140mm White      |
| 90002004 | 140mm x 140mm Black      |
| 90002007 | 140mm x 140mm Terracotta |
| 90002005 | 140mm x 140mm Brown      |
| 90002006 | 140mm x 140mm Beige      |

### 125mm Fixed Grille



| Part No. |                          |
|----------|--------------------------|
| 9041221  | 160mm x 160mm White      |
| 9041222  | 160mm x 160mm Brown      |
| 9041223  | 160mm x 160mm Terracotta |

### 125mm Gravity Grille



| Part No. |                     |
|----------|---------------------|
| 9041468  | 160mm x 160mm White |

### 150mm Fixed Grille



| Part No. |                          |
|----------|--------------------------|
| 52641106 | 180mm x 180mm White      |
| 52641107 | 180mm x 180mm Grey       |
| 52641108 | 180mm x 180mm Terracotta |
| 52641109 | 180mm x 180mm Brown      |
| 52641110 | 180mm x 180mm Beige      |

### 150mm Gravity Grille



| Part No. |                     |
|----------|---------------------|
| 71984001 | 180mm x 180mm White |
| 90002003 | 180mm x 180mm Brown |

# A SMART QUIET PERFORMING EXTRACTOR FAN



Smarter Ventilation Control  
**iCONsmart**<sup>®</sup>



## PRODUCT SUPPORT

### TECHNICAL



We have a fully trained technical team in our UK head office who are on hand to help and advise you on any ventilation problem, issue or query you may have.

**Technical Support**  
 Tel: 01494 560950  
 e-mail: [technical\\_sales@airflow.com](mailto:technical_sales@airflow.com)

### CONTACT US



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