IFAN - INTELLIGENT FAN CONTROLLER

FEATURES
- In-built 24V electrical supply for sensors
- Indicates fan run, fault and service requirements
- Can be integrated with a Building Management System (BMS)
-Varies fan performance in response to input signals
- Provides ventilation from maximum to trickle to stop
- Duty sharing and auto changeover facility
- Indicates total running time, to assist servicing

DESCRIPTION
Advanced ventilation control providing improved energy efficient indoor air quality, increase comfort levels and productivity.

Acts as a stand alone solution, but can also be integrated into a BMS solution.

Gives full control of run, standby and changeover functions. Gives fan speed control from full speed, though trickle, to start/stop via a range of switches and sensors (0>10v) using pre-set and customer set parameters.

Includes control outputs to allow speed control of EC motors or control of AC motors via built in inverter output (0 to 10v signal).

In built keyboard and LCD display for easy set up and integration of unit conditions. Visual display of fan faults, service, speeds and controls.

Monitors and controls ventilation via PIR, temperature, CO₂, pressure or flow sensors. Also allows inputs from BMS/Remote devices (0 to 10v signals).

The intelligent control unit has a LCD display that assists with the set up and enables monitoring of the system operation, showing diagnostic display, running times, fan speeds, fault indication, service intervals, damper or valve operation, temperature, humidity and CO₂ levels.

IFAN BENEFITS

Improved Environment
iFan advanced ventilation control maintains improved indoor air quality, improved productivity and comfort quality.

Energy Saving
The iFan, demand controlled solution, reduces ventilation running costs, energy consumption, maintenance and noise.

Increased Safety
Our iFan control system uses low voltage SELV (Safety Extra Low Voltage) devices to improve safety for installers and users.

Simplified Installation
Each iFan sensor or switch is supplied with 10m of cable, a flexible gland terminated with a plug, which simplifies and reduces installation time and cost.

Single Source
As our iFan product includes integral controls, we can provide ventilation and control support from a single source, making the installation process easier for our customers.

Diagnostic Display
The ICU has a LED screen to display all necessary values for setup, operation and maintenance.

Scope
Our iFan system allows us to offers a full range of box fans with integral intelligent control, supported by a range of switches, sensors, fittings and cabling to enable easy installation.

<table>
<thead>
<tr>
<th>Model</th>
<th>iFan</th>
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<tbody>
<tr>
<td>Part Number</td>
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<tr>
<td>IP Rating</td>
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OVERVIEW
Our iFan stand alone controller includes an interface which allows the operation mode to be changed or the operation status to be viewed. The interface can also be used to set parameters and read key operational values to assist with fault diagnosis.

INSTALLATION
Our intelligent fan system consists of the following elements:
- Fan unit
- Intelligent control module
- Sensors, switches and heaters (ancillaries) if purchased with iFan
- Manual (ancillaries have their own datasheets)

GENERAL
During normal operation, the iFan cover should not be opened. If the cover needs to be opened, this should only be carried out by a qualified electrician or trained maintenance person, who are aware of safety regulations related to low voltage installations (including 240V AC inside box, sensors 24V).
Care should always be taken when installing and connecting electrical devices, as there is always a risk of electrical shock, if safe working practices are not followed. When connecting wiring to, or servicing, the iFan unit and associated devices, the electrical supply must be switched off and isolated for our product.

UNPACKING
Check that all equipment ordered has been delivered. Check visually that all equipment is undamaged.

LED DISPLAY CONTROLS

1. Two Line Display
2. Enter (Set) Button
3. Reset (Exit) Button
4. Down Arrow Button
5. Up Arrow Button

OPTIONAL ACCESSORIES
- PIR
- Temp Sensor
- CO₂ Sensor
- Pressure Sensor
- 0-10 V pot - (230 volt)

OPERATION OPTIONS
Our iFan is suitable for operating a number of different fan configurations.
These include:
- Twin exhaust fans
- Single exhaust fans
- Single supply fans without heater
- Single supply fans with heater

As our iFan ifan is supplied unconfigured (No Application), the desired configuration must be set up during the commissioning process.

COMPATIBILITY
Please refer to the specific instructions & software supplied with each drive.

All works may only be carried out by skilled personnel following the local regulations, reference to the installation guide and AFTER the controller is completely isolated from the mains.
Selected products available from our UK Distributors on next day delivery, if ordered by 4pm. Please call 01206 222 555 for more information.