

VENTILATION SYSTEMS
www.ventilation-system.com

Интеллектуальная вентиляция

INTELLECTUAL VENTILATION

Efficient Heat Distribution
with VENTS iFan CELSIUS



*Fresh air in
your house!*

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06/2014

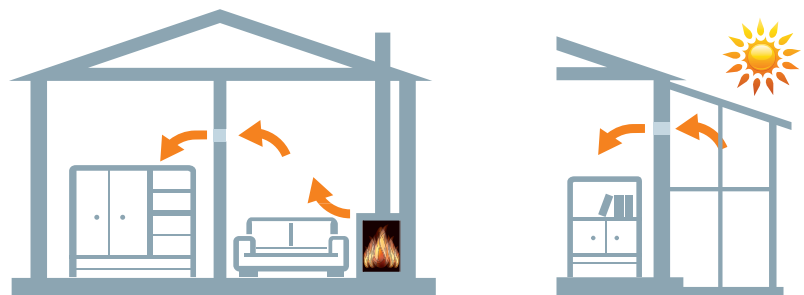


VENTS,
a worldwide leader
in ventilation solutions,
presents
VENTS iFan CELSIUS –
an ultramodern
intelligent solution for
household ventilation.



VENTS iFan CELSIUS with intelligent temperature feedback control.

Being equipped with a temperature sensor **VENTS iFan CELSIUS** can detect a heat level increase and ensure efficient ventilation by balancing warm air streams among spaces. The integrated automatic control unit enables fine-tuning the fan modes by selecting appropriate temperature for a comfortable microclimate in flats and private residences.



A **VENTS iFan CELSIUS** installed in a well-heated space can make a good use of its heat to warm up the air in a connected space heated to a lower temperature or unheated at all.

VENTS iFan CELSIUS: YOUR KEY TO INTELLECTUAL VENTILATION

INTELLECTUAL

The intellectual automatic control unit enables user-defined scenarios for **VENTS iFan CELSIUS** automatic operation with a preset temperature or external switch control. Alternatively the unit can be controlled via the remote controller.

ELEGANT

VENTS iFan CELSIUS are featured with an exclusive impeller and face panel design for a stylish statement. Seven decorative front panels are available for a truly individual look (purchased separately).

ENERGY-EFFICIENT

VENTS iFan CELSIUS has gone on a power diet as it only requires 3.8 W to deliver up to 133 m³/h of air flow. The fan efficiently distributes warm air among spaces to help cut down your monthly heating bill.

COMPACT

A specially designed fan casing enables both horizontal and vertical installation. The **VENTS iFan CELSIUS** casing merely measures 29 mm deep without the spigots

SUPERQUIET

A special vibration mount and an thoroughly tested aerodynamic impeller profile result in outstanding noise levels of **VENTS iFan CELSIUS** – only 21 dB(A).

FAILSAFE

The use of a static power supply unit with a wide input voltage range of 100-240 V (50-60 Hz) ensures failsafe operation of the fan in power grids with less than ideal supply standards.

3.8 W

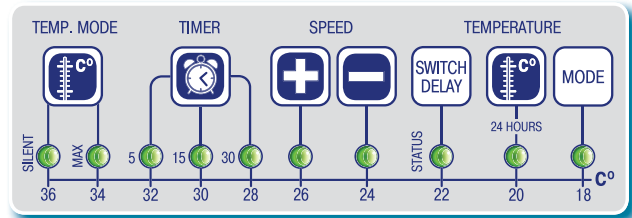
21 dB(A)

133 m³/h

Ø100/125

MULTI-FUNCTION CONTROL PANEL

The internal multi-function panel with indicator lights enables convenient setup of all the intelligent functions of VENTS iFan CELSIUS.



SILENT IMPELLER

VENTS iFan CELSIUS received a unique purpose-designed impeller which helps reduce the noise during the fan operation to a bare minimum.



INTERCHANGEABLE SPIGOTS

The fan is supplied with two interchangeable spigots to integrate VENTS iFan CELSIUS into Ø100 and Ø125 mm air ducts.



ORIGINAL ENGINEERING

3D DESIGN

VENTS iFan CELSIUS benefits from a unique 3D casing design resulting in a smooth and streamlined look. The standard plain white front panel with a white grille can be replaced with any of the seven colourful extra panels with a silver grille.

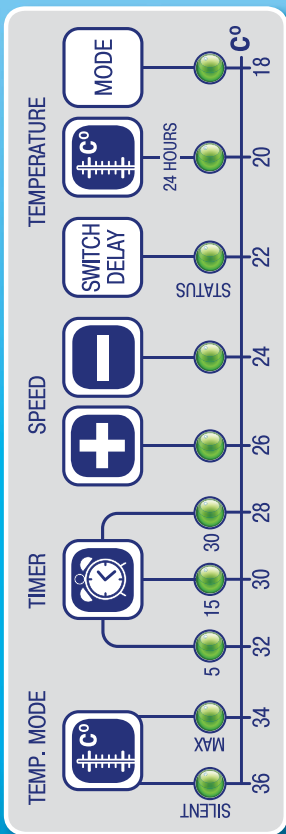
REMOVABLE MOTOR

The motor and impeller assembly can be easily removed from the casing without any special tools for convenient cleaning.

REMOTE CONTROLLER

The remote controller enables setup and control of all the VENTS iFan CELSIUS functions from a distance.





VENTS iFan CELSIUS CONTROL PANEL

TEMP. MODE

Warm Air Extraction Mode Control

TIMER

Fan Activation / Deactivation Delay Control

SPEED

Desired Temperature Setup / Fan Speed Control

SWITCH DELAY

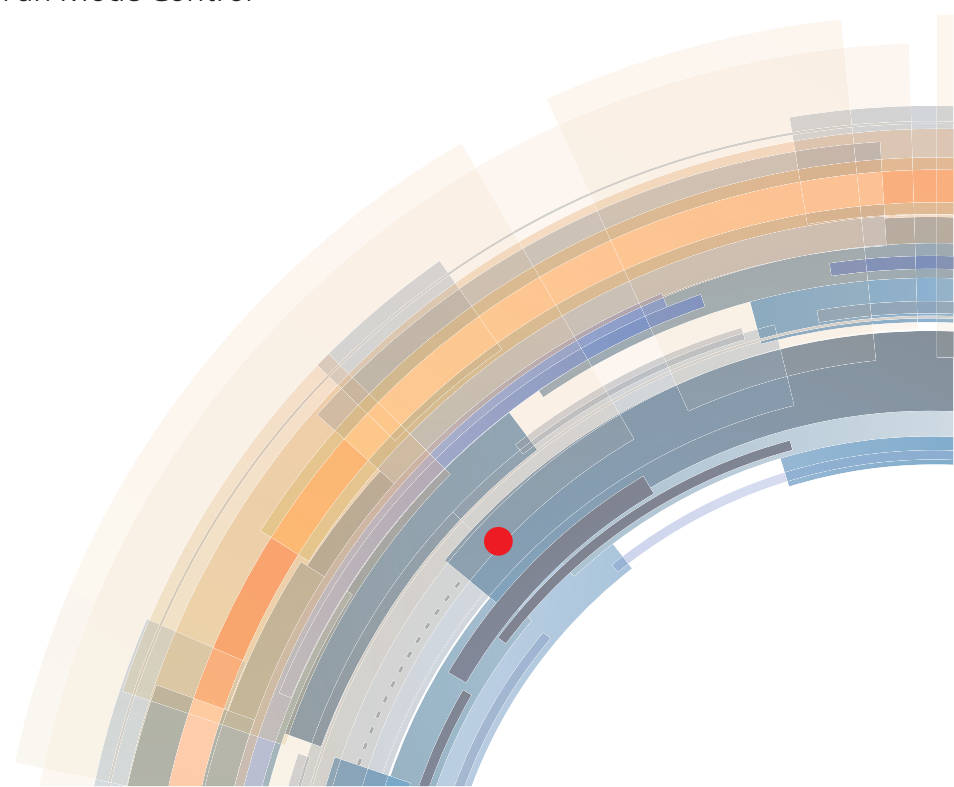
Fan Turn-On Delay Control

TEMPERATURE / 24 HOURS

Temperature Sensor Set Point Setup /
24-Hour Permanent Ventilation Mode Activation

MODE

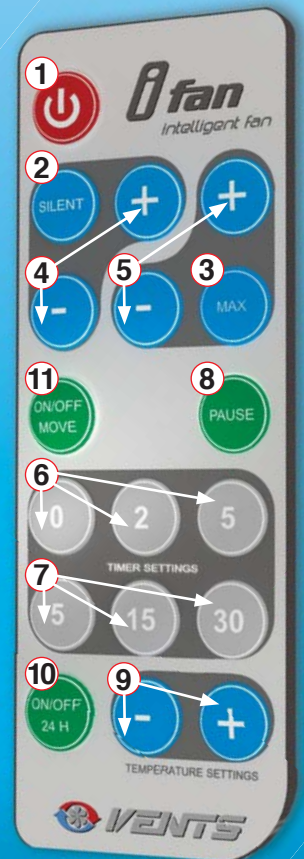
Fan Mode Control

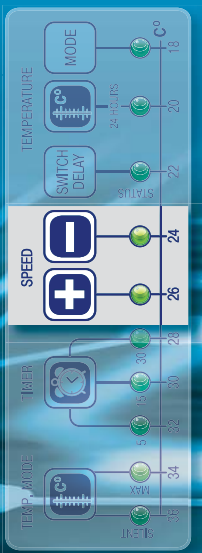
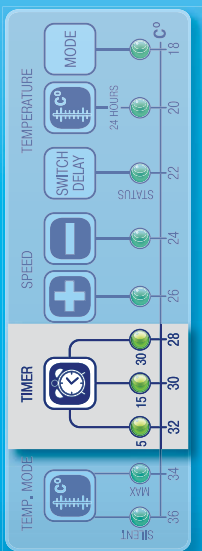
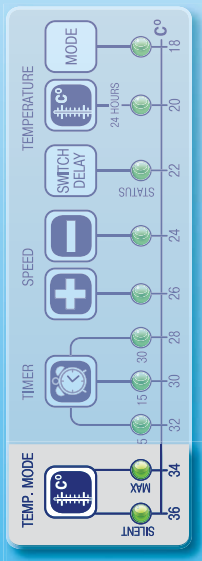


BUILT-IN AUTOMATIC CONTROL UNIT

VENTS iFan CELSIUS REMOTE CONTROLLER

- ① Fan Activation / Deactivation
- ② Warm Air Extraction Mode Selection - Silent
- ③ Warm Air Extraction Mode Selection - Max
- ④ Silent Mode Speed Setup
- ⑤ Max Mode Speed Setup
- ⑥ Turn-On Delay Timer Setup
(0, 2 or 5 minutes)
- ⑦ Turn-Off Delay Timer Setup
(5, 15 or 30 minutes)
- ⑧ "Pause" Mode Activation / Deactivation
(fan interruption for 45 minutes)
- ⑨ Temperature Sensor Set Point Setup
- ⑩ 24-Hour Permanent Air Supply Mode Activation
- ⑪ Disabled for VENTS iFan CELSIUS
(reserved for VENTS iFan MOVE only)





TEMP. MODE WARM AIR EXTRACTION MODE CONTROL

Warm Air Extraction Mode Selection – **Silent** or **Max** according to the pre-set temperature set point.

Silent – Active response to a temperature increase, air capacity up to 83 m³/h.

Max – Active response to a temperature increase, air capacity up to 133 m³/h.

Upon crossing the set temperature point the fan will switch to high speed to extract excessive heat. After the temperature on the premises drops 2 °C below the pre-set threshold the fan will revert to the initial mode.

TIMER FAN TURN-OFF / TURN-ON DELAY CONTROL

Turn-on and turn-off delay time setup upon receiving an external switch signal.

Setup of the high speed turn-on delay for 0, 2 or 5 minutes (in combination with the SWITCH DELAY button);

Setup of the turn-off delay time to complete the air extraction – 5, 15 or 30 minutes.

SPEED FAN SPEED CONTROL / TEMPERATURE THRESHOLD SETUP


Setup of the fan speed in Silent mode using the **SPEED «+»** and **SPEED «-»** buttons. Setup of the fan speed in Max mode using the **SPEED «+»** and **SPEED «-»** in combination with the **MODE** button.


Setup of the temperature set point for the fan switching to high speed and back using the **SPEED «+»** and **SPEED «-»** buttons in combination with the **TEMPERATURE** button. The available temperatures range from 18 to 36 °C. The default temperature value is 24 °C.


INTELLIGENT FUNCTIONS

STATUS


FAN OPERATION MODE INDICATION


The indicator glows green – the fan is engaged by the external switch actuation. 

The indicator blinks green every 2 seconds – the fan is on standby. 

The indicator glows red – the fan is running in the 24 HOURS mode. 

The indicator blinks red every 2 seconds – the fan is running in the warm air extraction mode. 

The indicator alternatively blinks green and red – the fan is running in the interval ventilation air supply mode. 

The indicator blinks red twice every second – the fan is completing the turn-on delay. 

24 HOURS

24-HOUR PERMANENT AIR SUPPLY MODE

This activates the constant air supply mode at the minimum speed of 33 m³/h (Ø100 mm) or 40 m³/h (Ø125 mm) until the temperature sensor or external switch actuation.

The 24 HOURS mode is disabled by default.

PAUSE

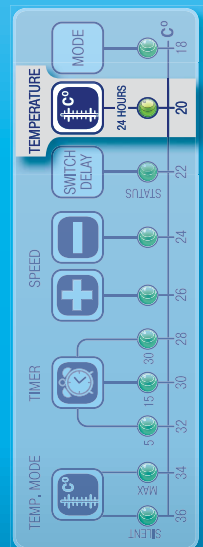
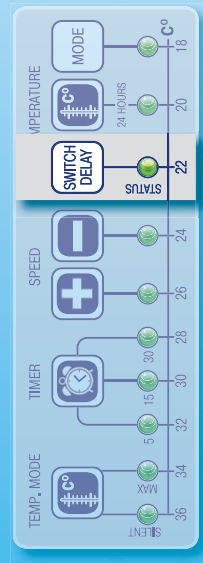
TEMPORARY FAN INTERRUPTION

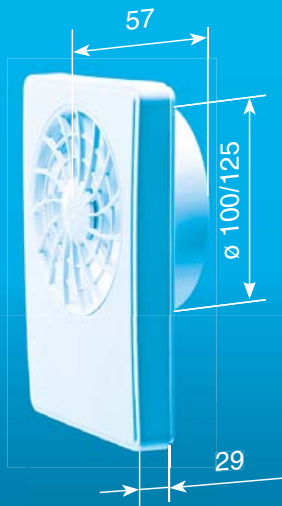
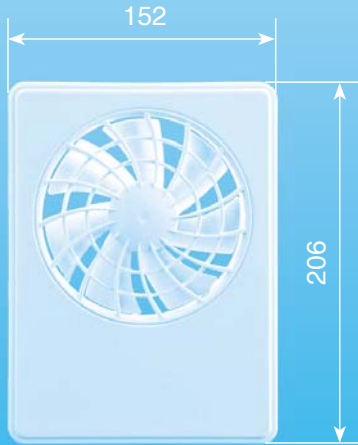
The **PAUSE** function is only accessible via the remote controller.

Pressing the PAUSE button interrupts the fan operation for 45 minutes. On elapsing of this time period or upon another pressing of the PAUSE button the fan reverts to its previous mode.

INTERVAL VENTILATION

After each 15 hours of idling the fan activates automatically and supplies air to the premises for 2 hours at the flow rate of 72 m³/h (Ø100 mm) or 83 m³/h (Ø125 mm). The fan reverts to the previous operation mode upon receiving a signal from the temperature sensor or the external switch actuation.





TECHNICAL PARAMETERS

| Spigot Diameter [mm] | Mode | Maximum Air Flow Capacity [m ³ /h] | Sound Pressure at 3 m [dB(A)] | Air Flow Rate at Factory Settings [m ³ /h] | Air Flow Control Range [m ³ /h] |
|----------------------|----------|---|-------------------------------|---|--|
| 100 | 24 HOURS | 33 | 17 | 33 | - |
| | SILENT | 72 | 22 | 72 | 33...72 |
| | MAX | 106 | 31 | 82 | 72...106 |
| 125 | 24 HOURS | 40 | 17 | 40 | - |
| | SILENT | 83 | 21 | 83 | 40...83 |
| | MAX | 133 | 32 | 97 | 83...133 |





The original VENTS iFan CELSIUS with a plain white panel and a removable white grille

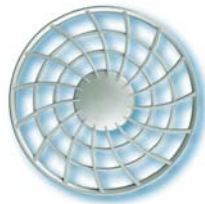
CUSTOMIZE YOUR VENTS iFan CELSIUS



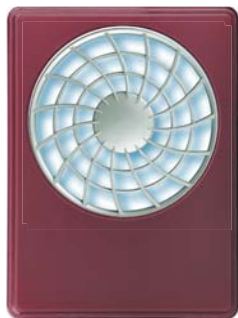
Colour Decorative Front Panel



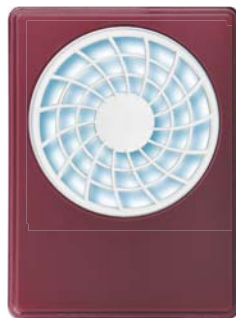
Removable White Grille



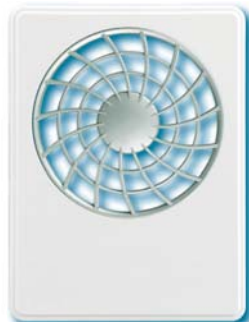
Removable Silver Grille



Colour VENTS iFan CELSIUS with a Silver Front Panel



Colour VENTS iFan CELSIUS with a White Front Panel



Plain White VENTS iFan CELSIUS with a Silver Front Panel

DECORATIVE FRONT PANELS



Ruby Star



Champagne



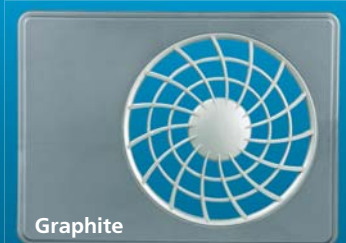
Black Sapphire



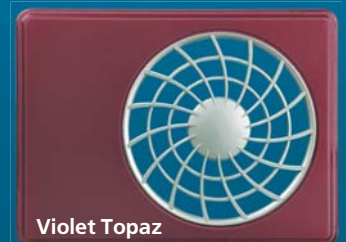
Melange



Silver



Graphite



Violet Topaz

The decorative front panels are available on special order



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