

## INSTALLATION GUIDE

### CENTRIFUGAL CEILING FAN

CBF 110/130/150

CBF 110/130/150 T/TH/TP

CBF 110/130/150 LIGHT

CBF 110/130/150 LIGHT T/TH/TP

CBF 110 DC T/TH/TP

CBF 110 DC LIGHT T/TH/TP

CBF 150 DC T/TH/TP

CBF 150 DC LIGHT T/TH/TP



### INSTALLATION

#### Tools required



Pencil



Drill



Screwdriver



Dowel 4 pcs



Screws 4 pcs

The fan is a component part and is not designed for stand-alone operation.

The fan is constructed for ceiling installation in the floor slab and fixation to the inter joist with the distance between the ceiling joists from 270 mm (10 <sup>5</sup>/<sub>8</sub> ") up to 680 mm (20 <sup>3</sup>/<sub>4</sub> ") using the removable fixing brackets or the fastening holes in the fan casing.

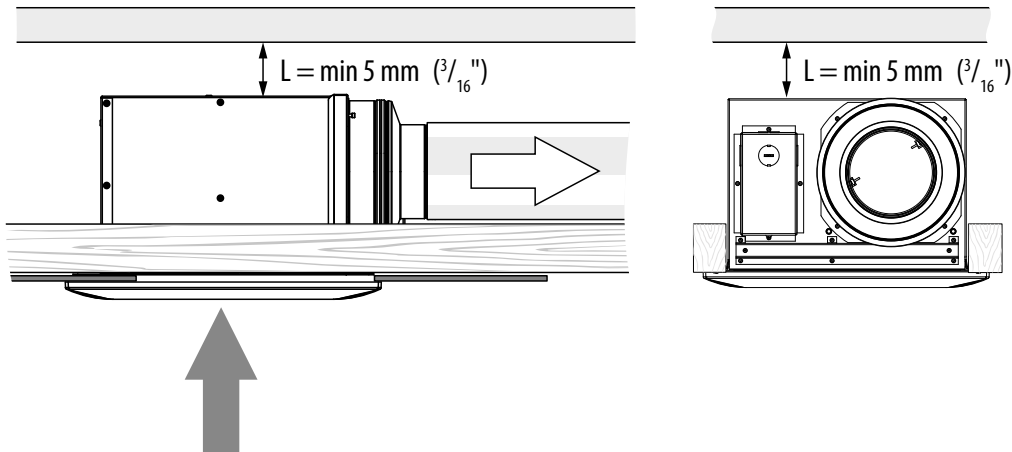
The installation place must be in compliance with local construction norms for units of this type.

Check the fan for mechanical damages prior to mounting .

Make sure that the casing comprises no foreign objects, such as paper or foil.

While mounting the fan sufficient service access for maintenance or repair operations must be provided.

The minimum gap between the fan and the ceiling is 5 mm (<sup>3</sup>/<sub>16</sub> ").



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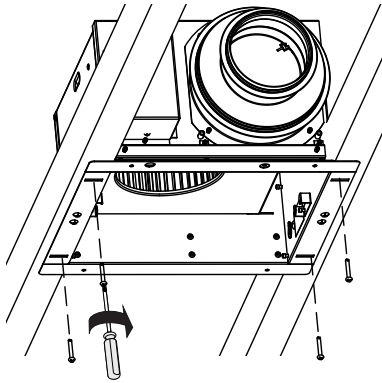
400 Murray Road, Cincinnati, OH 45217, USA

Tel: 1-888-640-0925, 513-583-5786, Fax: 513-268-4597

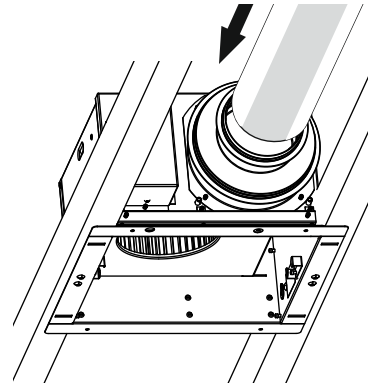
E-mail: support@ventsus.com

## MOUNTING STEPS

1. Attach the fan to the interjoist using the screws.



2. Connect the air duct of a required diameter.



3. Connect the LED lamps (included in the delivery set) for the Light models.

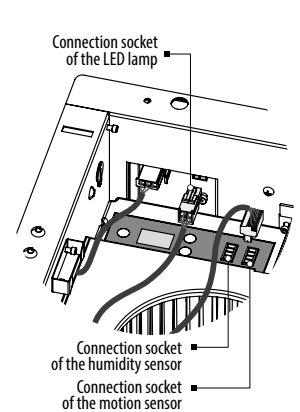
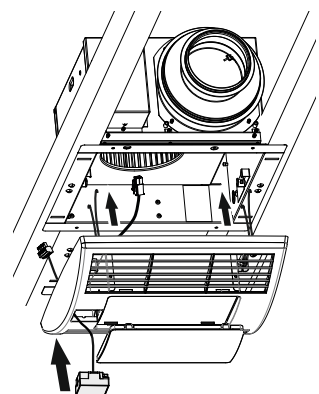
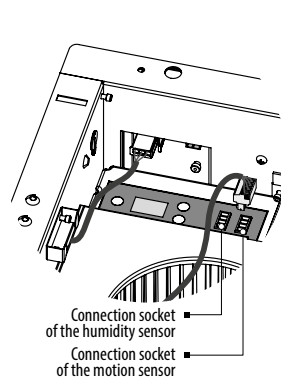
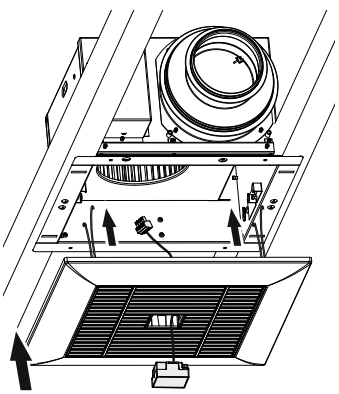
Option: connect the humidity sensor or the motion sensor (specially ordered accessory).

For the Light models: connect the power socket of the LED lamp and the respective sockets in the terminal box.

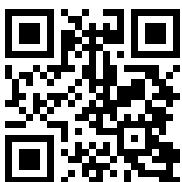
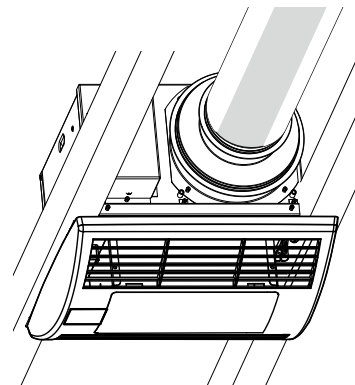
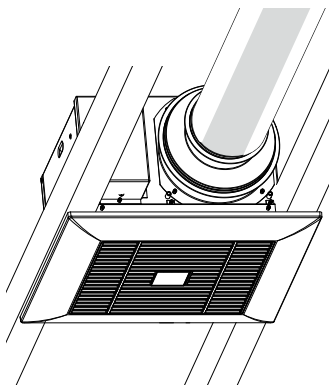
For the TH models with a humidity sensor: remove the protective cap from the grille prior to its installation.

Route the contact socket of the sensor TH or TP via the opening in the grille and connect the sensor socket to the respective contact socket on the control unit.

Fix the sensor in the grille opening and cover the opening with a protective cap.

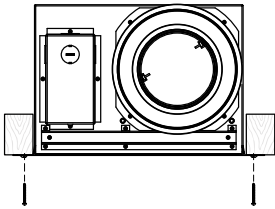
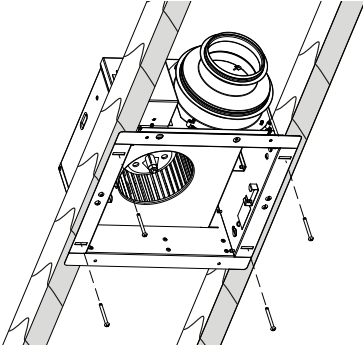


4. Install the decorative grille on the fan casing using the holders on the casing.

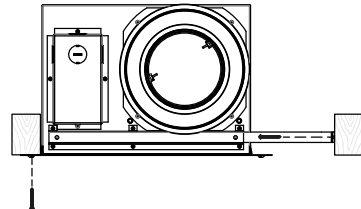
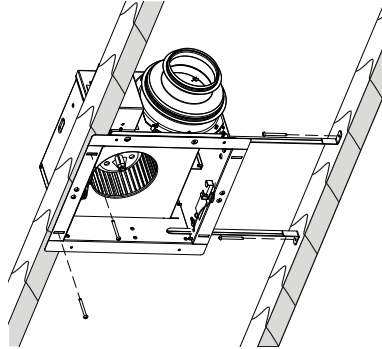


## BASIC FAN INSTALLATION OPTIONS

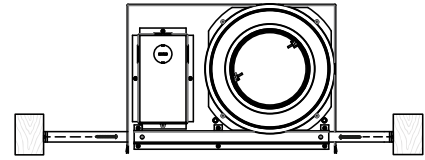
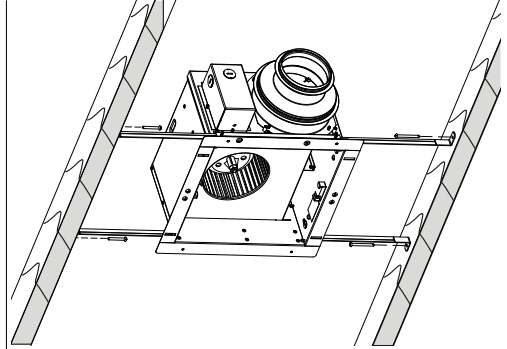
Installation  
between the ceiling joists



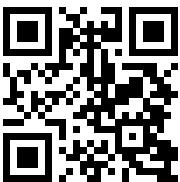
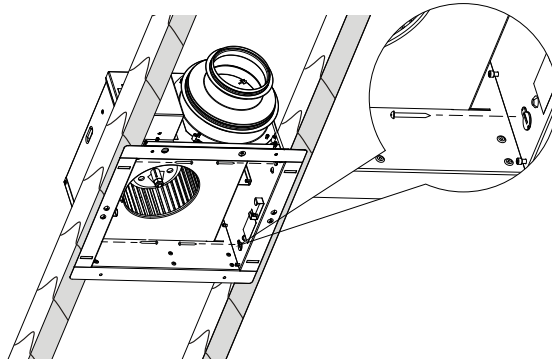
Side fixation  
to one of the ceiling joists



Fixation between  
the ceiling joists using the mounting brackets



Additional fastening holes in the fan casing may be used for mounting purposes



### CONNECTION TO POWER MAINS

DISCONNECT THE UNIT FROM POWER MAINS PRIOR TO ANY OPERATIONS.  
 THE UNIT MUST BE CONNECTED TO POWER MAINS BY A QUALIFIED ELECTRICIAN.  
 THE RATED ELECTRICAL PARAMETERS OF THE UNIT ARE SHOWN ON THE RATING PLATE.

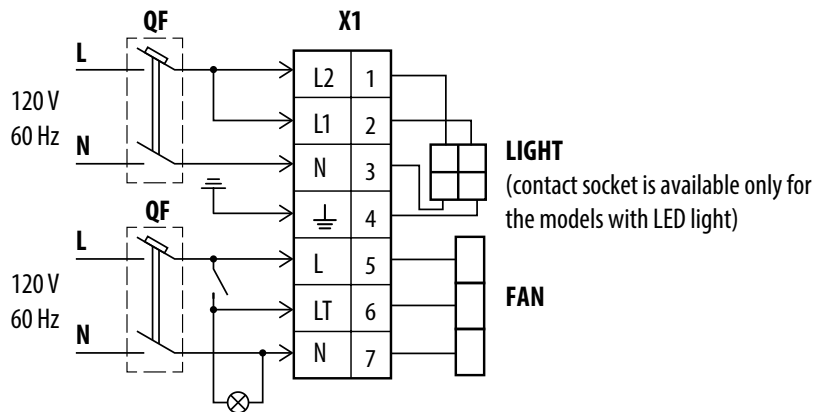
ANY TAMPERING WITH THE INTERNAL CONNECTIONS IS PROHIBITED AND WILL VOID  
 THE WARRANTY.

The fan is rated for connection to single-phase AC 120 V/ 50/ (60) Hz power supply.

The fan must be connected to power mains using durable, insulated and heat-resistant conductors (cables and wires) via the circuit breaker QF integrated into the house cabling system.

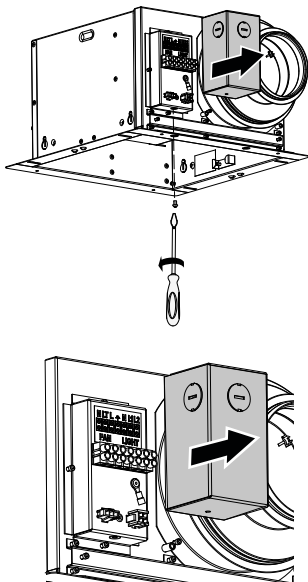
The external circuit breaker installation place must ensure unhampered access for emergency shutdown of the unit

### WIRING DIAGRAMS



### ACCESS TO THE TERMINAL BOX FOR WIRING THE FAN

Remove the decorative grille.  
 For accessing the connection terminals  
 loosen the screw on the terminal box  
 lid and take the lid off.



Remove the protective cap and install the cable gland.

