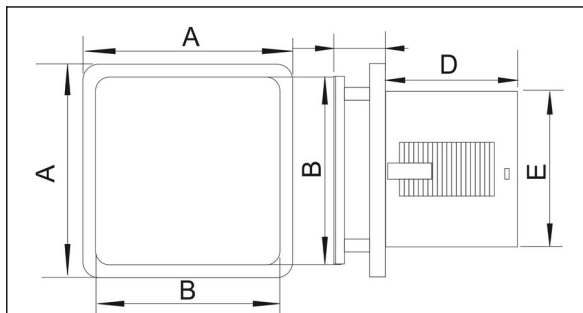


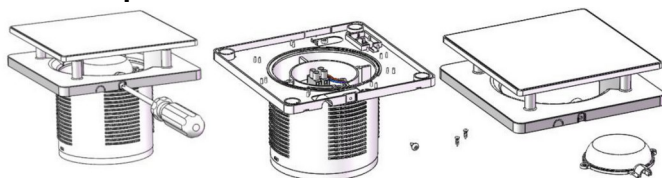
BFS



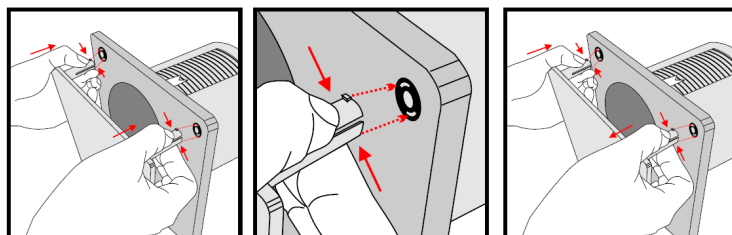
OUTER DIMENSION [mm]

Model	A	B	C	D	E
BFS100	158	158	42	81	99
BFS125	178	158	42	103	118
BFS150	196	170	50	105	149

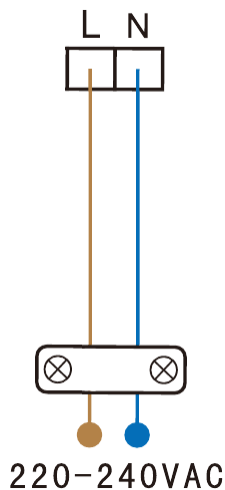
How to open BFS model



BFS150 models front panel

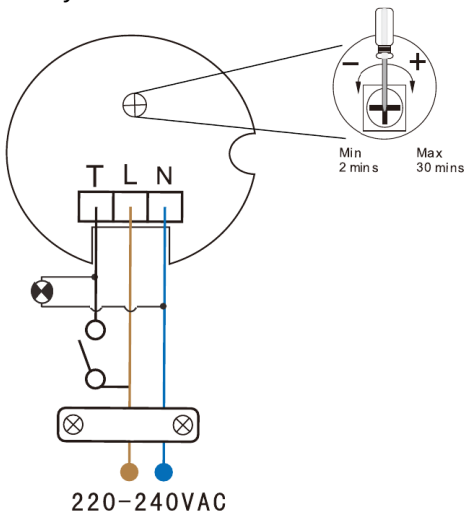


WIRING FOR BASIC MODELS



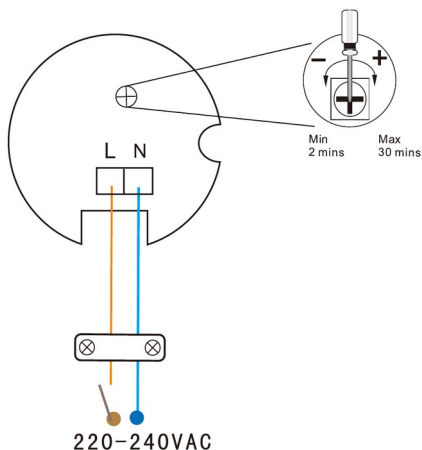
WIRING FOR MODELS WITH A TIMER

The fan starts when terminals T and L are powered simultaneously.



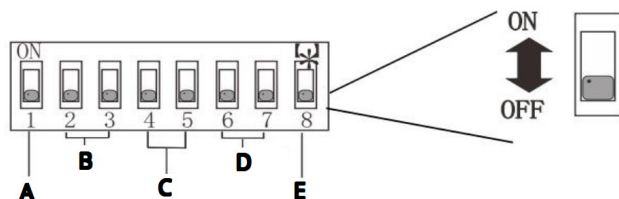
WIRING FOR MODELS WITH PIR MOTION SENSOR

Timer settings: 2-30 min.



WIRING FOR MODELS WITH HUMIDITY SENSOR

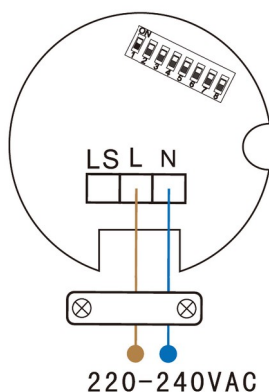
Humidity-controlled models are equipped with an electronic humidistat, adjustable between 60% and 90% relative humidity (RH), and a timer that can be set to 1, 5, 15, or 30 minutes. The required humidity level and run-on time are set using eight DIP switches on the circuit board, which are easy to access. Each DIP switch has two positions — ON (1) and OFF (0) — and can be adjusted with a screwdriver:



A - Interval Function
B - Interval Time

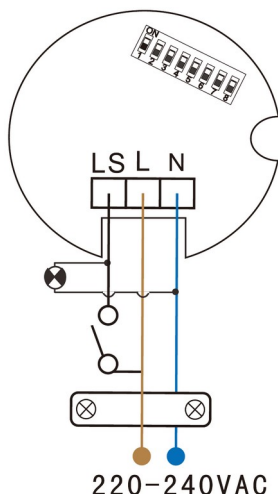
C - Humidity Level
D - Run-on Timer

E - Start-up Timer



Automatic operation

The bathroom fan connects to the main power supply using two wires. The humidistat automatically switches the fan on when the humidity level rises above the set threshold. It switches off automatically when the humidity drops about 3% below the threshold and the run-on timer expires.



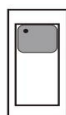
Automatic operation with external switch override

The bathroom fan connects to the main power supply using three wires. It operates as described in the Automatic Operation mode, with the added ability to override the humidistat via a light switch — but only when the humidity level is below the selected threshold. In this case, the fan will continue running for the set duration (Run-on timer) after the light switch is turned off.

Note: If the humidity level exceeds the selected threshold, automatic operation has priority. In this state, the unit cannot be turned off manually using the switch.

Set the DIP switches to the desired configuration

Interval function



1
On



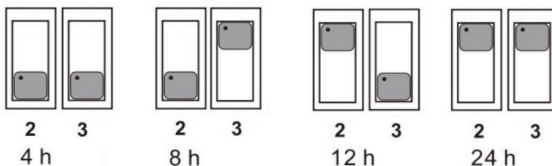
1
Off

When the interval function is enabled, the bathroom fan operates regardless of humidity levels. This feature is useful in environments with consistently high humidity, such as coastal areas, to prevent the fan from running continuously. It is also beneficial in locations with consistently low humidity, such as near a heating appliance, to ensure regular ventilation.

The fan automatically runs for one hour, then turns off for the selected interval, repeating this cycle regardless of humidity level.

Interval time

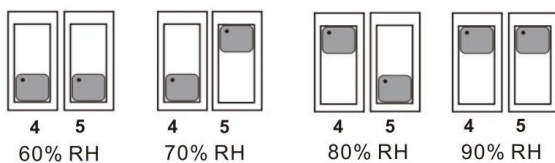
The interval time can be set as follows:



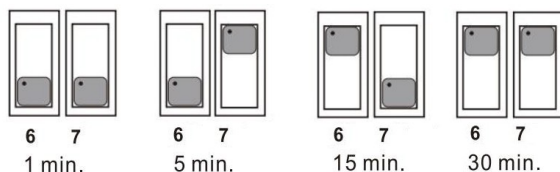
Humidity function

The humidistat activates the fan when the humidity reaches the preset threshold. The fan switches off when the humidity drops approximately 3% below that threshold, and after the duration set on the run-on timer.

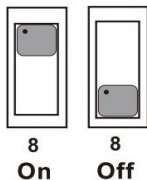
The humidity level can be set as follows:



The run-on time can be set as follows:



Start-up timer function



When the start-up timer function is enabled, the fan activates after 50 seconds of continuous power from the external switch. If the switched live signal is interrupted before 50 seconds, the fan will remain off.

Factory settings

Interval function	Off
Interval time	4 hours
Humidistat	60% RH
Run-on timer	1 min
Start-up timer function	Off

Technical specification

Ø	m³/h	W
100 mm / 4"	90	9
125 mm / 5"	160	20
150 mm / 6"	250	25

IP rate: IP44**V/Hz:** 220-240V~ 50Hz**SAFETY WARNINGS**

- Read this manual carefully before starting the installation.
- Only qualified electricians may carry out installation and electrical work.
- Regularly check whether the plug or power supply cable is worn or damaged. In case of a defect, send the device to our service department for inspection or repair. Improper repairs may pose a safety risk and will void the warranty.
- Do not allow unsupervised children or persons with reduced physical, sensory, or mental abilities, or insufficient knowledge, to use the fan.
- Install the fan as high as possible on the wall or ceiling.

NOTE: The manufacturer reserves the right to change specifications without notice. In accordance with European Directive 2002/96/EC and the Act on Waste Electrical and Electronic Equipment, this device must not be disposed of with household waste when decommissioned. It should be delivered to a collection centre for recycling of electrical and electronic equipment.

