

9. As avarias causadas pela utilização de equipamentos contrários às matérias indicadas no Manual de Utilizador não são cobertas pela garantia.
10. Os equipamentos ficam fora de garantia caso sejam quebrados ou mal utilizados pelo cliente.
11. Danos decorrentes do uso dos equipamentos e equipamentos de outras marcas sem a aprovação do fabricante não são cobertos pela garantia.
12. Derrames de bateria e erros devido a ferrugem, oxidação e contacto com líquidos por trabalhar em ambientes ácidos/húmidos não são cobertos pela garantia.
13. Quando o equipamento não for usado por um longo período de tempo (mais de 15 dias), remova as baterias. Caso contrário, as avarias que possam ocorrer estão fora de garantia.
14. Danos que possam ocorrer durante o transporte de equipamentos não são cobertos pela garantia.
15. Danos causados pela tensão da rede/instalação elétrica defeituosa não são cobertos pela garantia.
16. Os dispositivos estão fora de garantia para avarias causadas por força maior, como incêndio, inundação, terremoto, entre outros.
17. Todos os dispositivos e equipamentos, incluindo todas as suas partes, estão sob a garantia da nossa empresa.
18. Em caso de mau funcionamento dos dispositivos e equipamentos em período de garantia, o tempo gasto para a reparação do produto é adicionado ao período de garantia. O período de reparação não pode exceder 20 dias úteis. Este prazo conta-se a partir da data de notificação da avaria relacionada com o produto. Se a avaria do produto não for reparada no prazo de 20 dias úteis, o fabricante tem de fornecer outro produto com características semelhantes ao produto anterior até que a reparação seja concluída.
19. Embora o consumidor façam uso de seus direitos de reparação.
  - Se o produto for danificado 4 vezes em um ano ou 6 vezes na duração da garantia e esses problemas afetarem a finalidade principal do produto. (A partir do momento da entrega durante a garantia.)
  - Se o tempo máximo necessário para o reparo for excedido.
  - No caso de a estação de serviço não estar disponível, se for determinado que o reparo do defeito não é possível com o relatório preparado (em ordem) por um dos vendedores, distribuidores, agências, representantes, importadores ou fabricantes, um reembolso ou desconto no preço pode ser solicitado de acordo com a taxa do defeito.
20. O cliente pode fazer reclamações e apelações aos tribunais do consumidor.
21. O documento de garantia deve ser guardado pelo cliente durante o período de garantia. Em caso de perda do documento, o reparo e substituição de dispositivos e equipamentos serão pagos.

## ENGLISH

**General specifications:** AF51101 is a wired thermostat. The user can adjust the room temperature with the required temperature and get more comfortable and economic heating/cooling.

- Precise Temperature Measurement
- Heating calibration
- Heating/Cooling Modes
- ON/OFF Control
- Wired Connection
- Hysteresis Settings

### A Thermostat

|   |  |   |
|---|--|---|
| 1 |  | Battery Indicator   |
| 2 |  | Heating Indicator<br>- If the Heating Indicator is blinking, the heating unit is working.<br>- If the Heating Indicator is steady, the heating unit is not working. |
| 3 |  | Cooling Indicator<br>- If the Cooling Indicator is blinking, the cooling unit is working.<br>- If the Cooling Indicator is steady, the cooling unit is not working. |
| 4 |  | Room Temperature  |
| 5 |  | Set Temperature   |
| 6 |  | ON/OFF and Temperature Setting Button   |

**B Thermostat placement:** Thermostat needs to be placed in the room which is used most frequently. For instance; living room or lounge. Placing the Thermostat in a spot that have air circulation like entrance of a room or side of window should be avoided. Also anywhere close to heating/cooling units such as radiator, stove and spots which get direct sun lights would not be suitable. Thermostat needs to be located above the floor 150 cm height. Few trials may be made to find the most convenient spot.

**C Battery placement:** Before starting, power off the device connected to the Thermostat and make sure that the energy is cut off. As shown in the picture above, press the screwdriver forward from the space shown, bend the tabs and separate the front cover. Insert 2 new AAA alkaline batteries in the battery housing with the correct battery direction. Replace both batteries at the same time. Then align the front part of your Thermostat to the back and squeeze it towards the back.

**Low Battery Warning:** When the "Lb" icon appears on the screen, it means "low battery warning". It is recommended to replace the batteries when this warning appears.

**Warning:** When the product is not used for a long period (more than 15 days), remove the batteries. Otherwise, malfunctions that may occur would be out of warranty. Please throw your dead batteries into the waste bin for batteries.

### D Thermostat wiring diagram

**Warning:** Operations within the heating / cooling unit or the electrical installation must be carried out by professionally qualified persons.

**Thermostat temperature calibration:** Temperature sensors which are used in Thermostats are highly sensitive. You may need to calibrate your Thermostat if you would like to get the same temperature values with other thermometers in your living space.

- While your device is turned on, press and hold the button for 3 seconds.
- Press the button until the "LR" menu appears. In order to see the desired temperature, set the temperature difference by turning the button to right or left. This value can be arranged between "-8°C" and "+8°C".
- To save the settings and exit, press the "On/Off" button until the device turns off.

**Note:** Recommended temperature calibration is "0,0°C".

**Thermostat heating/cooling modes:** Your Thermostat has heating and cooling modes. In order to switch easily between heating and cooling modes:

- While your device is turned off, press and hold the button for 3 seconds.
- Press the button until the "Fl" menu appears.
- You can switch between "HE" (heating) and "CO" (cooling) modes by turning the button to right or left in the "Fl" menu.
- To save the settings and exit, press the button until the device turns off.
- The settings you have made have been saved. Once you turned on your device, it will operate with the changed settings.

**Thermostat hysteresis positive menu:** Hysteresis positive factory setting of your thermostat is 0,5°C. This value may be adjusted between "0,1°C" and "2,0°C". While hysteresis positive value is 0,5°C, if the room temperature goes above 0,5°C of set temperature, your thermostat will send a signal to your heating/cooling unit. For instance, when you set your thermostat 22,0°C if the room temperature goes above 22,5°C, on heating mode your heating unit will stop working; on cooling mode your cooling unit will start working. In order to change the hysteresis positive setting:

- Press the button for 3 seconds while your device is off.
- Press the button until "H5 P" menu appears
- Adjust the operating sensitivity by turning the button to the left or right in the "H5 P" hysteresis positive menu.
- Press the button until device turns off to save the changes and exit.
- Changes have been saved. Your thermostat will be working with set operating sensitivity when you open your device.

**Thermostat hysteresis negative menu:** Hysteresis negative factory setting of your thermostat is -0,5°C. This value may be adjusted between "-0,1°C" and "-2,0°C". While hysteresis negative value is -0,5°C, if the room temperature goes below 0,5°C of set temperature, your thermostat will send a signal to your heating/cooling unit.

For instance, when you set your thermostat to 22°C, if the room temperature goes below 21,5°C, on heating mode your heating unit will start working; on cooling mode your cooling unit will stop working. In order to change the hysteresis negative setting:

- Press the button for 3 seconds while your device is off.
- Press the button until "H5 n" menu appears
- Adjust the operating sensitivity by turning the button to the left or right in the "H5 n" hysteresis negative menu.
- Press the button until device turns off to save the changes and exit.
- Changes have been saved. Your thermostat will be working with the set operating sensitivity when you open your device.

**Factory settings reset:** You can reset your Thermostat to its default factory settings. This operation resets the calibration setting, heating/cooling modes and hysteresis settings to factory setting. To reset your Thermostat to factory setting:

- While your device is turned off, press and hold the button for 3 seconds.
- Press the button until the "r-5 L" menu appears.
- While in the "r-5 L" menu, turn the button to right or left in order to select "95" option and press the button.
- Your device will be turned off and reset to factory settings.

### Thermostat working logic

**H Heating Mode:** Your thermostat takes the average room temperature of last 40 seconds as basis. If the room temperature goes above the hysteresis positive temperature value you set, your Thermostat will stop the heating unit. If it goes below the hysteresis negative temperature value, your Thermostat will start the heating unit. Thus, it ensures that the room temperature remains within a certain range.

**C Cooling Mode:** Your Thermostat takes the average room temperature of last 40 seconds as basis. If the room temperature goes above the hysteresis positive temperature value you set, your Thermostat will start the cooling unit. If it goes below the hysteresis negative temperature value, your Thermostat will stop the cooling unit. Thus, it ensures that the room temperature remains within a certain range.

### Frequently asked questions

Is my Thermostat compatible with my heating/cooling unit?  
If your heating/cooling unit has on-off connections, your Thermostat is compatible. You can find information about your heating/cooling unit from your heating/cooling unit operating manual or from your heating/cooling unit service. manual or from your heating/cooling unit service.

How will I connect my Thermostat to the heating/cooling unit?  
We recommend that the connection between your Thermostat and the heating/cooling unit should be made by professionally qualified persons. 2x0,75 mm cable is sufficient for the Thermostat – heating/cooling unit connection.

Connect one end of the cable pair to the thermostat connection terminals stated in the user manual of the heating/cooling unit.

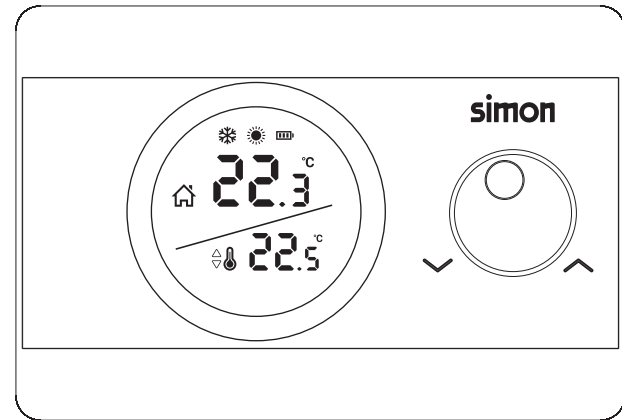
Connect the other end of the cable pair to COM and NO inputs of the terminal inside the Wall Hanger of Thermostat as shown in the "thermostat wiring diagram" section. The direction of the cable ends does not matter.

### Warranty conditions

1. The warranty period starts from the invoice date and warranted against manufacturing defects for 5 years.
2. Devices and apparatus are delivered to the customer in working condition in our company. On-site commissioning is subject to a service fee.
3. The repair of the devices and apparatus covered by the warranty is carried out in our company factory and should send by contracted transportation company. In on-site services, the transportation and accommodation expenses of the service personnel belong to the customer. The shift fee during transportation is added to the service fee and collected in advance.
4. The maintenance of devices and apparatus is done in our company. For the maintenance of the devices and apparatus, the round-trip travel fees belong to the customer.
5. In case of malfunctioning of the devices and apparatus whose warranty period continues, it is tested in our company whether the malfunction is caused by a customer or manufacturer fault, and it is reported with a report issued by our company.
6. In case of detection of manufacturer-induced errors of devices and apparatus whose warranty period continues, the customer can request a replacement or repair of the devices and apparatus at full expense by the manufacturer, unless it's higher than the product's price.
7. In the event that the faults of the devices and apparatus whose warranty period continues are determined as caused by the customer, all expenses would be belong to the customer.
8. Customers should be aware of damages (if there is any) of product and warn manufacturer since the day warranty duration starts. If customer do not warn manufacturer with knowledge of damage, customer lose the rights of article 6.
9. Malfunctions resulting from the use of devices and apparatus contrary to the matters stated in the User Manual are not covered by the warranty.
10. Devices and their apparatus are out of warranty if they are beaten, broken or scratched by the customer
11. Damages resulting from the use of devices and apparatus belonging to other brands and models without the approval of the manufacturer are not covered by the warranty.
12. Battery leakage and errors due to rust, oxidation and liquid contact by working in acid / humid environments are not covered by the warranty.
13. When the product is not used for a long period (more than 15 days), remove the batteries. Otherwise, malfunctions that will occur are out of warranty.
14. Damages that may occur during the transportation of devices and apparatus are not covered by the warranty. Customers can take a transportation insurance.
15. Damages caused by mains voltage / faulty electrical installation are not covered by the warranty.
16. Devices and apparatuses are out of warranty for malfunctions caused by force majeure such as fire, flood, earthquake etc.
17. All of the devices and apparatuses, including all their parts, are under the warranty of our company.
18. In case of malfunction of the devices and apparatuses within the warranty period, the time spent during repairment period is added to the warranty period. The repair period of the product cannot exceed 20 working days. This period starts from the date of notification to the service station of the malfunction related to the product or, in the absence of a service station, to the seller, dealer, agency, representative, importer or manufacturer of the product. Consumer can report the problem by: phone, fax, e-mail, registered and reply paid letter or a similar way. However, in case of a conflict, responsibility of prove is belong to the customer. If the malfunction of the product is not repaired within 20 working days, the manufacturer-producer or importer, has to allocate another product with similar features to the use of the consumer until the repair of the product is completed.
19. Although the consumer uses his/her repair rights.
  - If the product breaks down for 4 times in a year or 6 times in warranty duration and these problems effects main purpose of the product, (starting from delivery time during warranty).
  - Exceeding the maximum time required for repair.
  - In the event that the service station is not available, if it is determined that the repair of the defect is not possible with the report prepared (in order) by one of the seller, dealer, agency, representative, importer or manufacturer, a refund or a price discount at the rate of defect can be requested.
20. The customer can make complaints and appeals to consumer courts or consumer arbitration committees.
21. The warranty document must be kept by the customer during the warranty period. If the document is lost, a second document will not be issued. In case of loss, repair and replacement of devices and apparatus will be made for a fee.

# Termostato Digital ON/OFF

Termostato Digital ON/OFF  
ON/OFF Digital Thermostat



AF51101

## Características Técnicas

Características técnicas  
Data sheet

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