

Tybox 5300



- FR
- Guide de démarrage rapide
- NL
- Snelstartgids
- DE
- Schnellstartanleitung
- IT
- Guida rapida
- EN
- Quick start guide
- ES
- Guía de inicio rápido
- PL
- Instrukcja szybkiego uruchamiania

|    |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |
|----|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
|    | <b>Tybox 5101</b>                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>RF 6050+</b>                    |
|    | 2 x 1,5V LR03 - AAA Alkaline                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 230 V- +/-10%, 50 Hz<br>0,8 W max. |
|    |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |
|    | 868,7 MHz -> 869.2 MHz (EN 300 220) - 300 m max.<br>Maximum wireless power < 10 mW - Category 2 receiver |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |
|    | /                                                                                                        | 5A max., 230V- (Type I.C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                    |
| °C | -10°C / +40°C                                                                                            | -10°C / +60°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |
|    | 80 x 84 x 21 mm                                                                                          | 54 x 140 x 25 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |
|    | IP 20                                                                                                    | IP44<br>Câble diamètre 7mm +/- 0.4mm - Positionnement vertical du produit<br>Kabel diameter 7 mm +/- 0,4 mm - Verticale plaatsing van het product<br>Kabeldurchmesser 7 mm +/- 0,4 mm - Vertikale Aufstellung des ProduktsCâble<br>Cavo di diametro 7 mm +/- 0,4 mm - Posizionamento verticale del prodotto<br>Cable diameter 7 mm +/- 0.4 mm - Product to be positioned Vertically<br>Cable de 7 mm de diámetro +/- 0,4 mm - Posicionamiento vertical del producto<br>Średnica kabla 7mm +/- 0,4mm - Pionowe ułożenie urządzenia. |                                    |
|    |                                                                                                          | Température d'essai à la bille : 75°C / Verwekingspunt aan kogelmethode: 75°C<br>Temperatur Kugeldruckprüfung: 75°C / Temperatura per la prova della biglia: 75°C<br>Ball test temperature: 75°C. / Temperatura máxima soportada en laboratorio: 75°C<br>Wytrzymałość termoplastyczna: 75°C.                                                                                                                                                                                                                                       |                                    |
|    |                                                                                                          | Tension assignée de choc : 2500V / Toegekende stootspanning: 2500 V /<br>Bemessungsstoßspannung: 2500 V / Tensione nominale di resistenza alla<br>sovratensione: 2500 V / Rated impulse withstand voltage: 2500V / Tensión nominal<br>de choque: 2500V / Znamionowe napięcie udarowe: 2500 V                                                                                                                                                                                                                                       |                                    |

- L'émetteur et le récepteur sont livrés déjà associés en radio X3D.
- Bij levering, zijn de zender en de ontvanger al door X3D-radio verbonden.
- Sender und Empfänger werden bereits mit X3D-Funk gekoppelt ausgeliefert.
- Il trasmettitore e il ricevitore sono forniti già associati con il protocollo radio X3D.
- The X3D transmitter and the receiver are delivered pre-paired.
- El emisor y el receptor se suministran asociados en radio X3D.
- Dostarczane nadajnik i odbiornik są już sparowane protokołem radiowym X3D.



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1. Notice web détaillée / Gedetailleerde gebruiksaanwijzing online / Detaillierte Web-Anleitung / Istruzioni web dettagliate / Detailed instructions / Manual de instalación detallado en la página web / Szczegółowa instrukcja on-line



- FR
- Notice web détaillée : scannez le QR Code.
- Configuration,
- Association d'un détecteur d'ouverture,
- Association à l'appli Tydom,
- Fonctions avancées,
- Aide...

- NL
- Gedetailleerde handleiding online: scan de QR-code.
- Configuratie,
- Koppeling met een openingsdetector,
- Koppeling met de Tydom-app,
- Geavanceerde functies,
- Hulp...

- DE
- Detaillierte Web-Anleitung: Scannen Sie den QR-Code.
- Konfiguration,
- Zuordnung eines Öffnungsmelders,
- Zuordnung zur Tydom-App,
- Erweiterte Funktionen,
- Hilfe ...

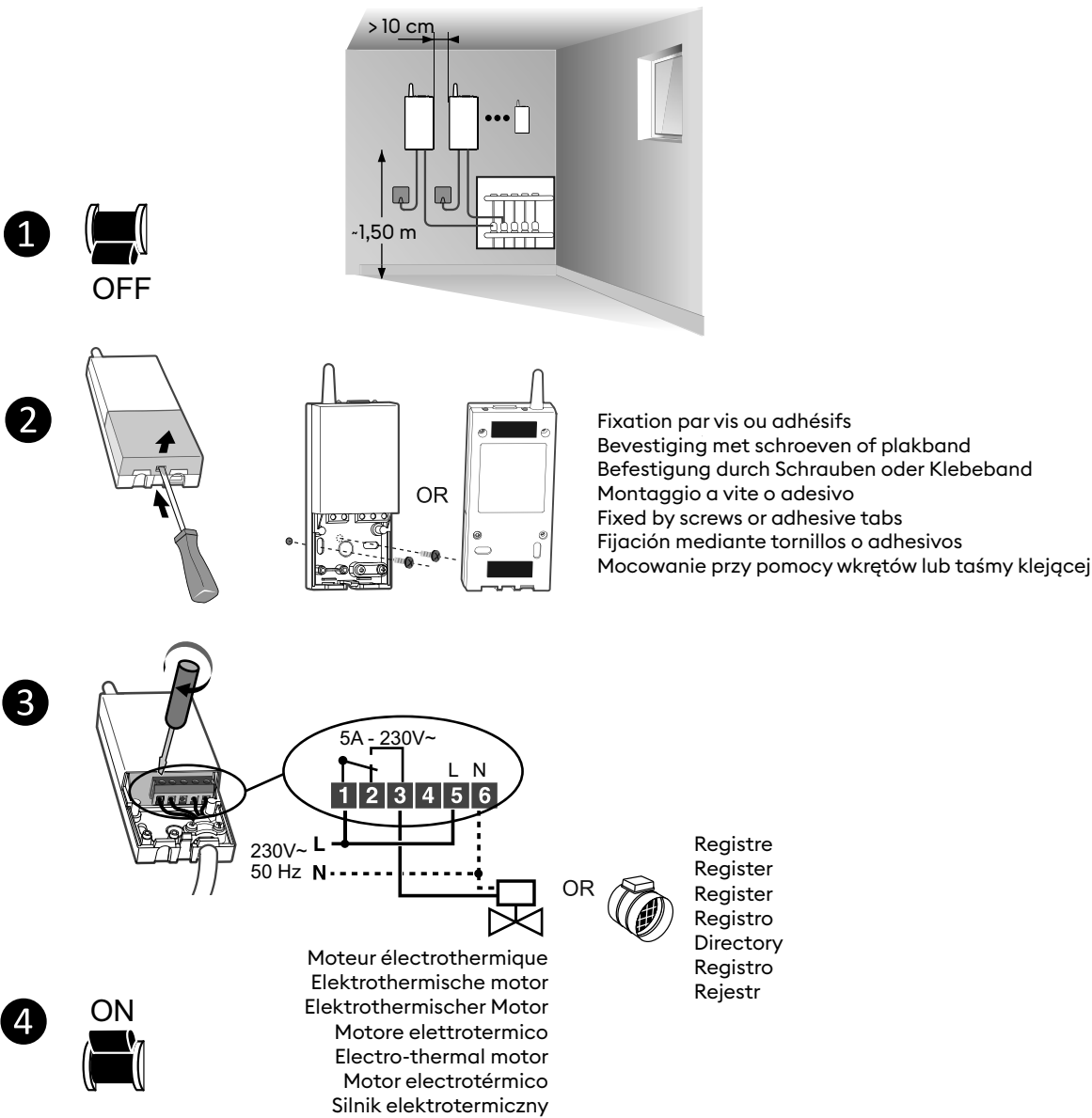
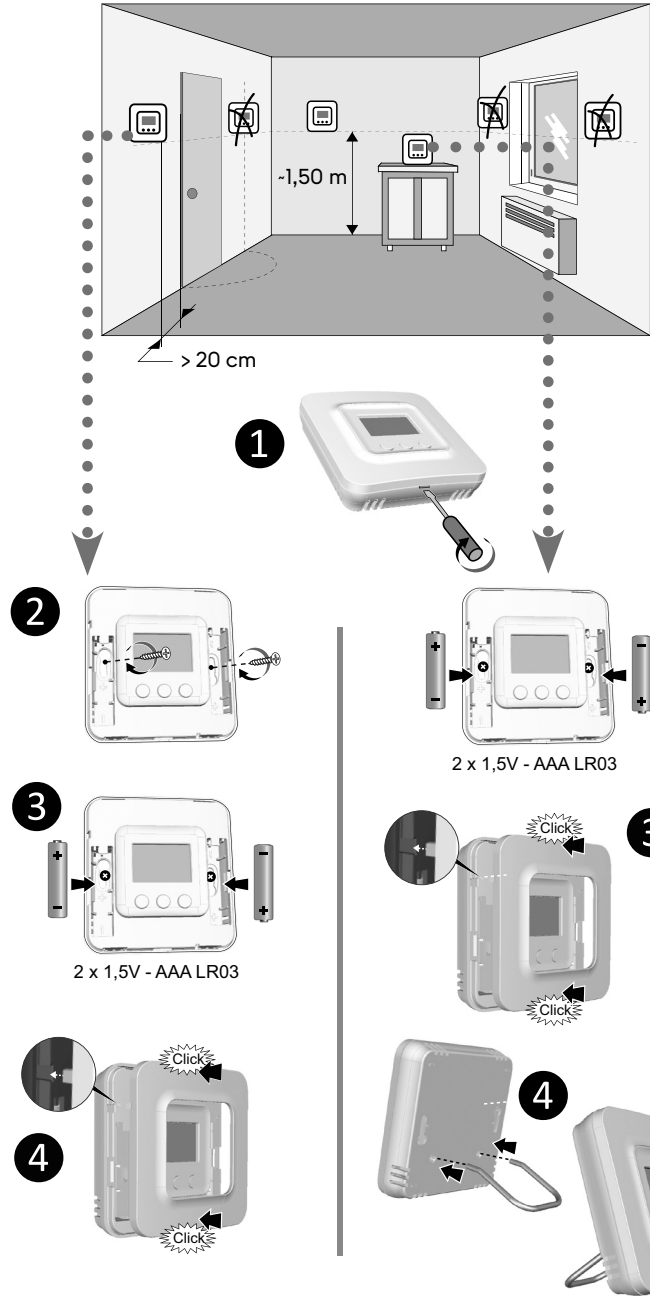
- IT
- Istruzioni web dettagliate: scansiona il codice QR.
- Configurazione,
- Associazione di un sensore di apertura,
- Associazione all'app Tydom,
- Funzioni avanzate,
- Aiuto...

- EN
- For detailed instructions: scan the QR code.
- Setup,
- Pairing with a door/window magnetic contact,
- Pairing with the Tydom app
- Advanced features
- Help...

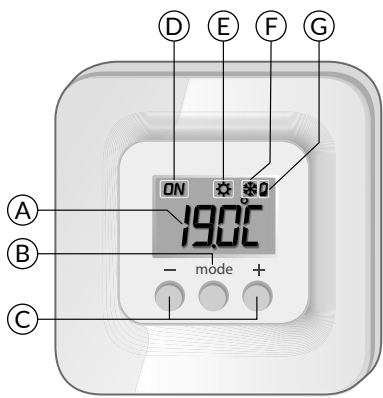
- ES
- Manual de instalación detallado en la página web: escanee el código QR.
- Configuración,
- Asociación de un detector de apertura,
- Asociación con la aplicación Tydom,
- Funciones avanzadas,
- Ayuda...

- PL
- Szczegółowa instrukcja on-line: zeskanuj kod QR.
- Konfiguracja,
- Podłączenie czujnika otwarcia,
- Podłączenie aplikacji Tydom,
- Funkcje zaawansowane,
- Pomoc...

2. Installation / Installatie / Installation / Installazione / Installation / Instalación / Instalacja



3. Description / Omschrijving / Produktbeschreibung / Descrizione / Description / Descripción / Opis



- A** Affichage de la température  
Weergave van de temperatuur  
Temperaturanzeige  
Visualizzazione della temperatura  
Temperature display  
Visualización de la temperatura  
Wyświetlanie temperatury

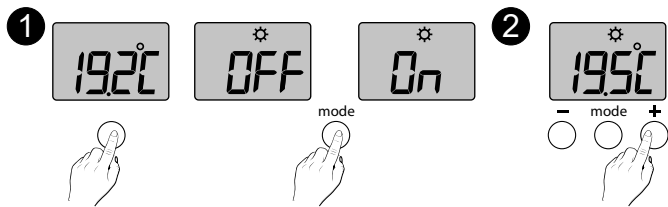
**B** Choix du mode  
Keuze van de modus  
Auswahl der Betriebsart  
Scelta della modalità  
Select the mode  
Elección del modo  
Wybór trybu
- C** Touches de réglage  
Insteltoetsen  
Einstelltasten  
Tasti d'impostazione  
Adjustment buttons  
Teclas de ajuste  
Przyciski regulacji

**D** Demande en cours  
Aanvraag gaande  
Heiz- bzw. Kühlbefehl läuft  
Caldaia attiva  
Current request  
solicitud en curso  
Wybrana funkcja jest uruchomiona
- E** Mode Chauffage  
Verwarmingsmodus  
Heizbetrieb  
Modalità Riscaldamento  
Heat mode  
Modo Calefacción  
Tryb ogrzewanie

**F** Mode Climatisation  
Aircomodus  
Betriebsart Klimaanlage  
Modalità Climatizzazione  
Cool mode  
Modo Climatización  
Tryb Klimatyzacja
- G** Signal d'usure des piles  
Controlelampje van de batterijen  
Batteriezustandsanzeige  
Spia di usura delle pile  
Battery level symbol  
Testigo de pilas usadas  
Symbol wyczerpania baterii

4. Réglage des consignes / Instelling van de gewenste kamertemperaturen / Einstellung der Sollwerte / Regolazione dei valori di set-point / Set point settings / Ajuste de las consignas / Ustawianie wartości zadanych

4.1 Chauffage - Verwarming - Heizung - Riscaldamento - Heating - Calefacción - Ogrzewanie



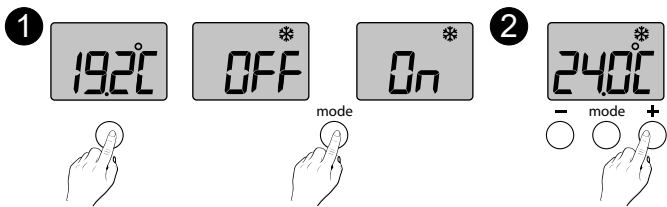
**FR** ① Appuyez sur une touche pour réveiller l'affichage.  
Le mode en cours s'affiche :  
On = thermostat en marche, OFF = Arrêt.  
Pour passer d'un mode à l'autre, appuyez sur **mode**.  
② A partir du mode On, patientez quelques secondes pour afficher la température de consigne et la modifier par + ou -.  
Validation après 2 secondes sans appui.

**NL** ① Druk op een toets om de weergave te activeren.  
De modus in uitvoering verschijnt:  
On = thermostaat in werking, OFF = uit.  
Druk op **modus** om naar een andere **modus** over te gaan.  
② Vanuit de modus On moet u enkele seconden wachten tot de ingestelde temperatuur verschijnt, om die met + of - te wijzigen.  
Validering na 2 seconden zonder druk op een toets.

**DE** ① Drücken Sie auf eine beliebige Taste, um die Anzeige einzuschalten.  
Die Betriebsart wird angezeigt:  
On = Thermostat ein, OFF = Aus.  
Um von einer Betriebsart in die andere zu wechseln, drücken Sie auf **Betriebsart**.  
② Warten Sie in der Betriebsart On einige Sekunden bis zur Anzeige der Solltemperatur und ändern Sie diese mit + oder -.  
Speicherung nach 2 Sekunden ohne Tastendruck.

**IT** ① Premere un tasto per riattivare la visualizzazione.  
Viene visualizzata la modalità corrente:  
On = termostato in funzione, OFF = Spento.  
Per passare da una modalità all'altra, premere su **mode**.  
② Partendo dalla modalità On, attendere qualche secondo per visualizzare la temperatura di setpoint e modificarla con + o -.  
Conferma dopo 2 secondi senza premere alcun tasto.

4.2 Climatisation - Airconditioning - Klimaanlage - Climatizzazione - Cooling - Aire acondicionado - Klimatyzacja

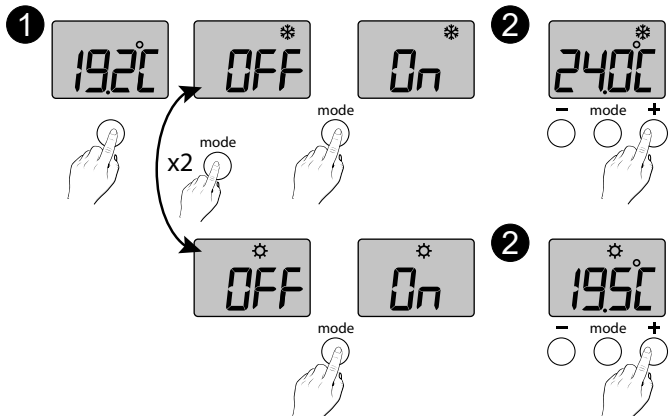


**EN** ① Press any button to activate the display.  
The current mode is displayed:  
On = Thermostat running, OFF = Stop.  
To switch from one mode to another, press **mode**.  
② From On mode, wait a few seconds to display the set-point temperature and change it using + or -.  
Validation after 2 seconds if no buttons are pressed.

**ES** ① Pulse una tecla para activar la visualización.  
Aparece el modo actual:  
On = termostato en marcha, OFF = Paro.  
Para pasar de un modo a otro, pulse **modo**.  
② Desde el modo On, espere unos segundos para ver la temperatura de consigna y modificarla con + o -.  
Validación una vez transcurridos 2 segundos sin pulsar.

**PL** ① Naciśnij któryś przycisk, aby uruchomić wyświetlacz.  
Wyświetli się bieżący tryb:  
On = termostat jest włączony, OFF = wyłączony.  
Aby zmienić tryb, naciśnij **tryb**.  
② Jeżeli bieżący tryb to On, poczekaj kilka chwil, aż wyświetli się wybrana wcześniej temperatura, którą można zmienić, naciskając plus lub minus.  
Zapis nastąpi po 2 sekundach bez używania przycisków.

4.3 Chauffage - Climatisation / Verwarming - Airconditioning / Heizung - Klimaanlage / Riscaldamento - Climatizzazione / Heating - Cooling / Calefacción - Climatización / Ogrzewanie - Klimatyzacja /



**FR** ① Appuyez sur une touche pour réveiller l'affichage.  
Pour passer de Chauffage (☼) à Climatisation (❄), appuyez 2 fois sur mode.  
Le mode en cours s'affiche :  
On = thermostat en marche, OFF = Arrêt.  
Pour passer d'un mode à l'autre, appuyez sur **mode**.  
② A partir du mode «On», patientez quelques secondes pour afficher la température de consigne et la modifier par + ou -.  
Validation après 2 secondes sans appui.

**NL** ① Druk op een toets om de weergave te activeren.  
Om van verwarming (☼) naar airconditioning (❄) over te gaan, drukt u 2 keer op **modus**.  
De modus in uitvoering verschijnt:  
On = thermostaat in werking, OFF = uit.  
Druk op **modus** om naar een andere modus te gaan.  
② Vanuit de modus «On» moet u enkele seconden wachten tot de ingestelde temperatuur verschijnt, om die met + of - te wijzigen.  
Validering na 2 seconden zonder druk op een toets.

**DE** ① Drücken Sie auf eine beliebige Taste, um die Anzeige einzuschalten.  
Um von der Heizung (☼) zur Klimaanlage (❄) zu wechseln, drücken Sie zweimal **Betriebsart**.  
Die aktuelle Betriebsart wird angezeigt:  
On = Thermostat Ein, OFF = Aus.  
Drücken Sie auf **Betriebsart**, um von einer Betriebsart in die andere zu wechseln.  
② Warten Sie in der Betriebsart „On“ einige Sekunden bis zur Anzeige der Solltemperatur und ändern Sie diese mit + oder -.  
Speicherung nach 2 Sekunden ohne Tastendruck.

**IT** ① Premere un tasto per riattivare la visualizzazione.  
Per passare da riscaldamento (☼) a climatizzazione (❄) premere 2 volte su **mode**.  
Viene visualizzata la modalità corrente:  
On = termostato in funzione, OFF = Spento.  
Per passare da una modalità all'altra, premere su **mode**.  
② A partire dalla modalità «On», attendere qualche secondo per visualizzare la temperatura di setpoint e modificarla con + o -.  
Conferma dopo 2 secondi senza premere alcun tasto.

**EN** ① Press any button to activate the display.  
To switch from Heating (☼) to Cooling (❄), press mode twice.  
The current mode is displayed:  
On = Thermostat running, OFF = Stop.  
To switch from one mode to another, press **mode**.  
② From On mode, wait a few seconds to display the set-point temperature and change it using + or -.  
Validation after 2 seconds if no buttons are pressed.

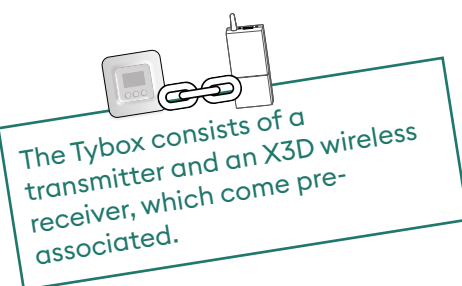
**ES** ① Pulse una tecla para activar la visualización.  
Para pasar de Calefacción (☼) a Aire acondicionado (❄), pulse 2 veces en **modo**.  
Aparece el modo actual:  
On = termostato en marcha, OFF = Paro.  
Para pasar de un modo a otro, pulse **modo**.  
② Desde del modo On, espere unos segundos para ver la temperatura de consigna y modificarla con + o -.  
Validación una vez transcurridos 2 segundos sin pulsar.

**PL** ① Naciśnij któryś przycisk, aby uruchomić wyświetlacz.  
Aby zamienić Ogrzewanie (☼) na Klimatyzację (❄), naciśnij dwa razy na tryb.  
Wyświetli się bieżący tryb :  
On = termostat jest włączony, OFF = wyłączony.  
Aby zmienić tryb na inny, naciśnij **tryb**.  
② Jeżeli bieżący tryb to On, odczekaj kilka chwil, aż wyświetli się wcześniej ustawiona temperatura, którą możesz zmienić za pomocą plusa lub minusa.  
Zapis nastąpi po 2 sekundach bez używania przycisków.

# Tybox 5300

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## Contents



### Installation

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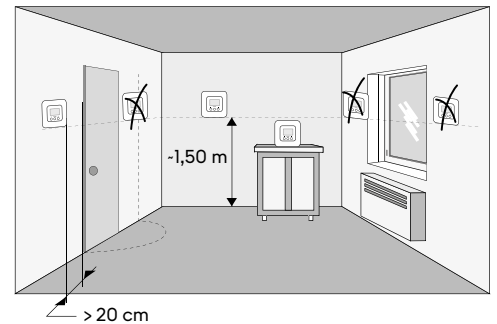
# INSTALLATION

## 1. Installing the transmitter

### 1.1 Location

The thermostat can be mounted on the wall or placed on a piece of furniture in a room whose temperature is representative of the location's average temperature, with a recommended height of 1.5 m, and it should also be nowhere near any heat sources (fireworks, sunlight, etc.) or air flows (window, door, etc.).

**IMPORTANT:** Do not install the thermostat on an external wall or with an unheated room (e.g. garage, etc.)



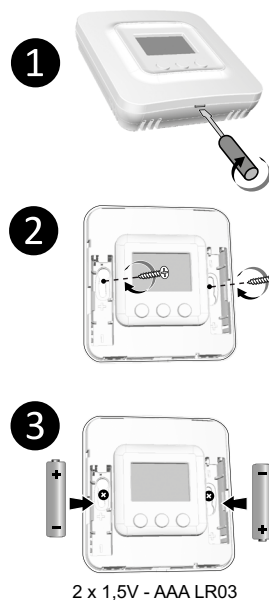
### 1.2 Wall mounting

- 1 Remove the front panel, then remove the batteries.
- 2 Secure the thermostat to the surface using suitable screws.
- 3 Insert the batteries  
**WARNING:** make sure you insert the batteries facing the right way and that they are the right type (no lithium batteries).
- 4 Replace the front panel.

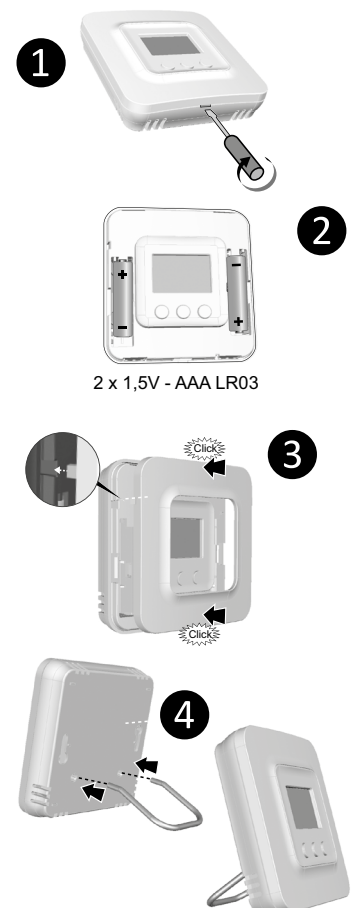
### 1.3 Mounting on a base

- 1 Remove the front panel.
- 2 Remove the battery cover.
- 3 Replace the front panel.
- 4 Insert the base into the back of the thermostat and place the device in the desired location (on a flat, non-metallic surface).

#### Wall mounting



#### Mounting on a base



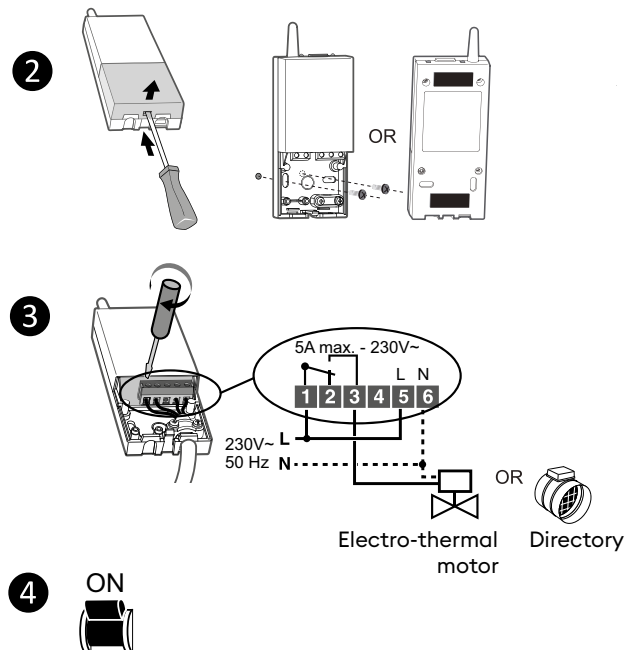
## 2. Installing the receiver

### 2.1 Location

The receiver must be installed at a minimum distance of 20 cm from any metal surface (e.g. the boiler), and about 1.50 m from the ground to ensure there's a good radio link with the transmitter.

### 2.2 Mounting / Connection

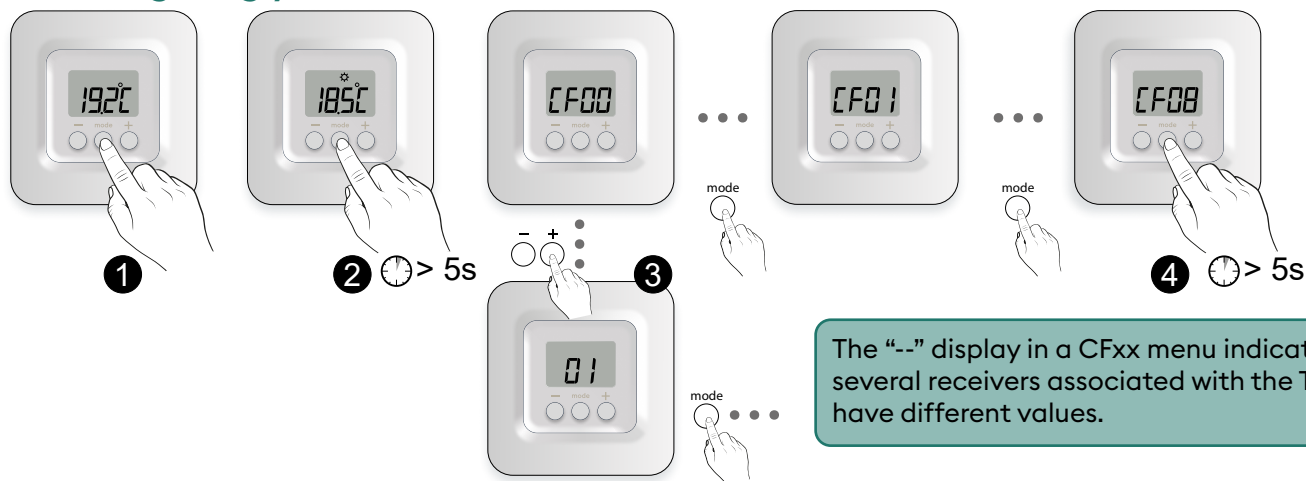
- 1 First of all, switch off the power to your installation.
- 2 The receiver can be secured by suitably sized screws or by adhesive (supplied).
- 3 Connect the receiver
- 4 Once the receiver is connected, turn on the power to your installation.



#### REMINDER:

The Tybox 5300 consists of an X3D radio transmitter and receiver that are pre-associated.

### 3. Configuring your device



❶ Press any button to activate the screen.

❷ Press **mode** for 10 seconds until CF00 is displayed.

❸ Press + or - to adjust the setting, and on **mode** to move to the next menu.

❹ Press **mode** for 5 seconds to exit the configuration menu or, after a period of 2 seconds without activity, the Tybox validates the change of parameter and returns to standby.

#### Menu CF00 Backlit display

Default setting: Back-lighting activated

|   |                                  |
|---|----------------------------------|
| 0 | Deactivated                      |
| 1 | Activated (automatic switch-off) |

#### Menu CF01 - Correcting the temperature measured

This menu is used to correct any difference you have noticed between the displayed temperature and the measured temperature.

Example: If the temperature displayed by the device is 19°C and the measured temperature is 20°C, input +1°C then confirm using OK.

|                                                   |  |
|---------------------------------------------------|--|
| Adjusts from -5°C to 5°C, in increments of 0.1°C. |  |
|---------------------------------------------------|--|

In order to change this setting, the unit must have been running for at least 2 hours beforehand.

Default setting: 0°C

#### Menu CF02 Locking the buttons

This menu allows you to prohibit any changes (settings, set point, mode).

Default setting: Authorised changes

|   |                |
|---|----------------|
| 0 | No locking     |
| 1 | Locking active |

If locked, the screen will display "----".

To temporarily unlock, simultaneously press and hold the + and - buttons for 5 seconds.

#### Menu CF03 Not used

Please leave the setting at 00.

#### Menu CF04 Adjustment of the frost protection setpoint

This menu allows you to set the Frost protection set point temperature (from 5°C to 16°C). Default setting: 8°C

|                                                    |  |
|----------------------------------------------------|--|
| Adjusts from -5°C to 16°C, in increments of 0.5°C. |  |
|----------------------------------------------------|--|

## Menu CF06 Activation/Deactivation of the anti-seizing function

Anti-seize can be used outside heating periods to regularly start up the circulator during off periods (5 minutes/ week).

|   |                |
|---|----------------|
| 0 | Anti-seize off |
| 1 | Anti-seize on  |

Default setting: Anti-seize disabled

## Menu CF07 Selection of the heating configuration

The heating configuration is dependent on the generator (e.g. reversible heat pump).

|   |                  |
|---|------------------|
| 0 | Heating          |
| 1 | Air conditioning |
| 2 | Heating/Cooling  |

Default setting: heating / air conditioning

## Menu CF08 Control time base

The control quality depends on parameters like the building's insulation, the number of radiators or the flooring type.

The "Tips" column in the following table will help you select the setting that is appropriate for your installation. Default setting: 15 minutes.

|     | Choice of control type    | Transmitter type            | Generator type                  | Tips                                                                                                       |
|-----|---------------------------|-----------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------|
| 15  | 15 minutes <sup>(2)</sup> | Heater                      | Boiler/Heat pump <sup>(1)</sup> | Increase the time base to extend generator run times and thus reduce the frequency of start up.            |
|     |                           | Aeraulic damper             | HP                              | Retain this setting if the installation is equipped with a general RF6450 receiver (optional)              |
| 30  | 30 minutes <sup>(2)</sup> | Radiator Underfloor heating | Boiler/Heat pump <sup>(1)</sup> | Increase the time base to extend generator run times and thus reduce the frequency of start up.            |
| 45  | 45 minutes <sup>(2)</sup> | Underfloor heating          | Boiler/Heat pump <sup>(1)</sup> | Reduce the time base if you notice big differences in temperature.                                         |
| 60  | 60 minutes <sup>(2)</sup> | Underfloor heating          | Heat pump <sup>(1)</sup>        |                                                                                                            |
| tor | On-Off <sup>(3)</sup>     | Radiator Underfloor heating | Heat pump <sup>(1)</sup>        | Only recommended if the PID control isn't satisfactory.<br>Recommended hysteresis value: between 0.4 and 1 |
|     |                           | Oven range heating          |                                 | Hysteresis value: follow the value recommended by the range's manufacturer                                 |
|     |                           | Aeraulic damper             | Heat pump <sup>(1)</sup>        | Hysteresis value to be adapted following installation                                                      |

(1) The control is fitted with anti-short cycle protection to suppress start or stop requests when they are too short. The anti-short cycle duration is 10% of the time base selected (e.g.: if the time base is set to 30 minutes, the anti-short cycle will be 3 minutes, i.e. the thermostat will not accept any start or stop requests that are under 3 minutes).

(2) PID control time base:

(3) On-off control: not compatible with the RF6420 and RF6450 receivers.

## Menu 2-11 Hysteresis setting (if 2-08 = tor)

Default setting: 0.4°C.

Adjusts from 0.2°C to 2°C,  
in increments of 0.1°C.

Example:

Setpoint 20°C. Hysteresis 0.4°C.

Heating request if T° measured <19.8°C.

Heating shuts down if T° measured > 20.2°C.

## Exiting the Configuration Menu

Press **mode** for 5 seconds.

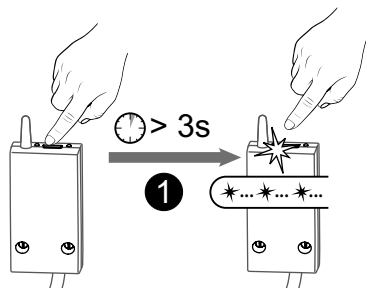
## 4. Associating to the Tydom app

Launch the Tydom app from your smartphone or tablet, then:

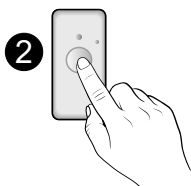
Settings -> My devices -> Add device -> Heating -> ... -> TYBOX 5300 (RF6050+)... and follow the instructions.  
For more information, refer to the section § "Operation with the Tydom application".

## 5. Associating a door/window magnetic contact

Associating a motion sensor means you can switch the heating to Frost Protection if a window is opened (after 10 seconds).



❶ Press the receiver button for 3 seconds until the red LED flashes.



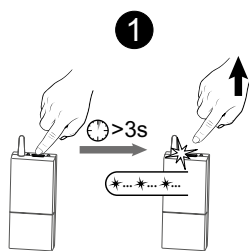
❷ Briefly press the detector button.



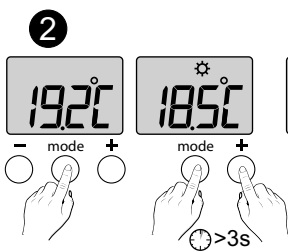
❸ Make sure that the receiver LED has stopped flashing.

## 6. Associating a repeater

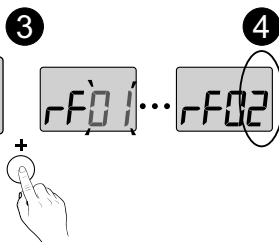
If the radio range is too weak and the transmitter cannot be moved closer to the receiver, you can add an X3D radio repeater to your installation (example: ERX 2000).



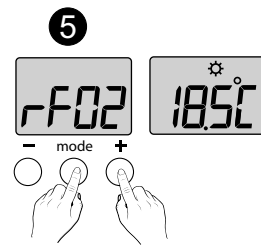
❶ Press the ERX 2000 receiver button for 3 seconds until the red LED flashes. Release.



❷ On the Tybox, briefly press a button to wake up the display, then press and hold both the **mode** and **+** buttons for 3 seconds.  
The screen displays rFxx (depending on the number of associated products). Release.

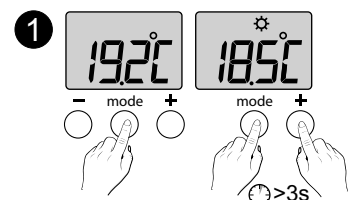


❸ Press briefly on **+**. The screen flashes until rF is displayed depending on the number of associated receivers and repeaters (❹) (e.g. rF02 for 1 receiver and 1 repeater).  
Check that the repeater's LED is no longer flashing.

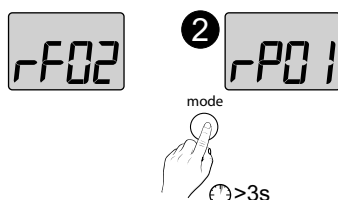


❺ To exit the mode, briefly tap the **mode** and **+** buttons simultaneously.

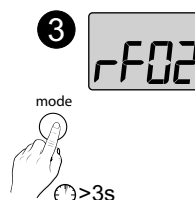
To verify the number of associated repeaters:



❶ On the Tybox, briefly press a button to wake up the display, then press and hold both the **mode** and **+** buttons for 3 seconds. The screen displays rFxx (depending on the number of associated products). Release.



❷ Press and hold **mode** for 3 seconds. The screen displays rP depending on the number of associated repeaters. (eg: rP01 for 1 repeater).



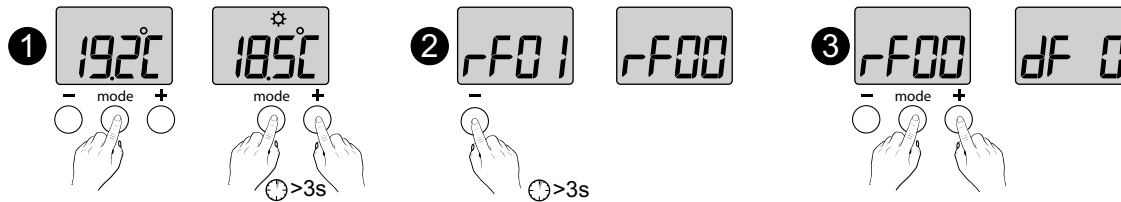
❸ To exit:  
- return to the rFxx menu, press **mode** for 3 seconds,  
- return to the initial display, briefly press the **mode** and **+** buttons simultaneously.

## 7. Installation help

### 7.1 Unpairing/re-associating the receiver with the transmitter

If there's a fault, you may need to unpair a product and/or re-associate a new one.

#### Wireless resetting of the transmitter



❶ On the Tybox, briefly press a button to wake up the display, then press and hold both the **mode** and **+** buttons for 3 seconds.

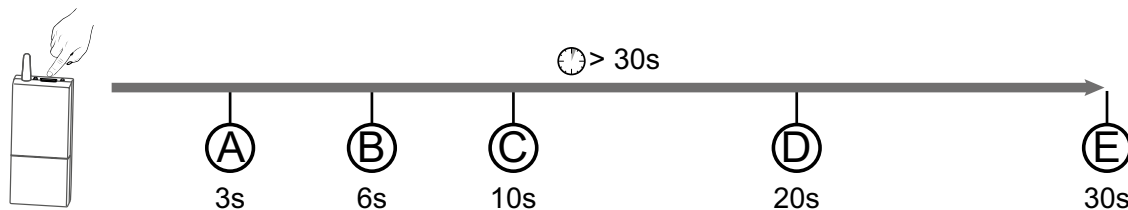
❷ The screen displays rF-- depending on the number of associated receivers (e.g.: rF01 for a single receiver, rF02 for 2 receivers etc...). Press **-** for 3 seconds to confirm the reset. The screen displays rF00.

❸ Briefly press the **mode** and **+** buttons at the same time. The screen displays dF 0 (transmitter not yet associated).

If the receiver is supplied with power and is within the wireless range of the transmitter at the time of the reset, the transmitter will also be deleted on the receiver.

#### Removing associations from the receiver

The deletion of wireless associations with the receiver is carried out by holding down the button. The LED will cycle through the various states.



Ⓐ : The LED flashes red. The receiver is in pending association mode.

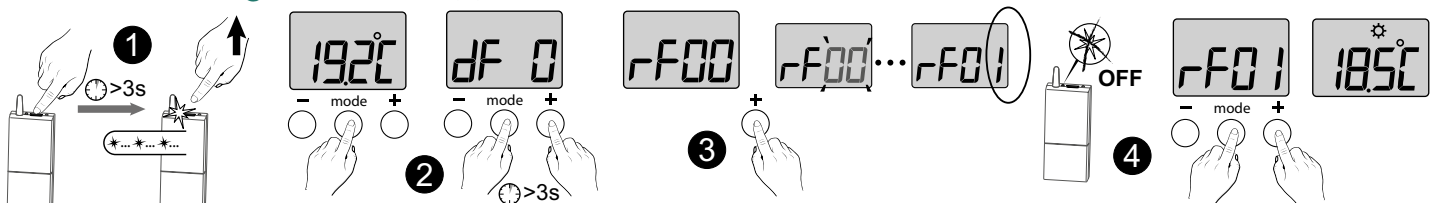
Ⓑ : The red LED is on and steady. The receiver is in "Heating configuration selection" mode.

Ⓒ : The red LED flashes rapidly. The receiver is waiting to delete the association with a door/window magnetic contact (check on the device you want to unpair).

Ⓓ : The red LED turns off. All associations with the receiver are now removed.

Ⓔ : If you hold down the button for 30 seconds, the LED flashes 3 times. The receiver is fully reset (back to factory settings).

#### Associating the receiver(s) with the transmitter



The green LED light on the receiver flashes rapidly, indicating that it has not been associated (if you have proceeded with resetting it).

❶ To associate it, press the receiver button for 3 seconds, until the red LED flashes. Release.

❷ On the Tybox, briefly press a button to wake up the display, then press and hold both the **mode** and **+** buttons for 3 seconds. The screen will display rF00. Release.

❸ Press briefly on **+**. The screen flashes until rF is displayed depending on the number of associated receivers (eg. rF01 for a single receiver, rF02 for 2 receivers etc.).

❹ Check that the LED of the receiver(s) is no longer flashing. To exit the mode, briefly press the **mode** and **+** buttons simultaneously.

## 7.2 Your Tybox controls several receivers

### Heating configuration

#### Case No. 1: The heating/air conditioning installation requires that all receivers have the same heating configuration

The CF07 parameter is applied by default to all receivers.

#### Case No. 2: The heating/air conditioning installation requires that all receivers have a different heating configuration

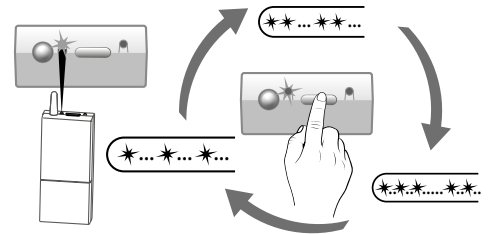
To this end, press and hold the button on the receiver to be modified for 6 seconds until the LED stays lit. Release it. Then, select the desired heating configuration by repeatedly pressing the button:

1 flash: Heating

2 flashes: Air conditioning

3 flashes: Heating/Air conditioning

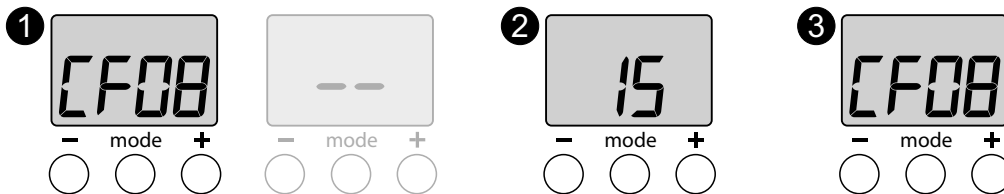
Press the button for 3 seconds to confirm your selection.



### Control time base

#### Case No. 1: The heating/air conditioning installation requires that all the receivers have the same control time base

The CF08 setting is applied simultaneously to all receivers.



① From the same CF08 configuration menu, press + or -. If the screen displays «--», this indicates that the settings of the receivers are different.

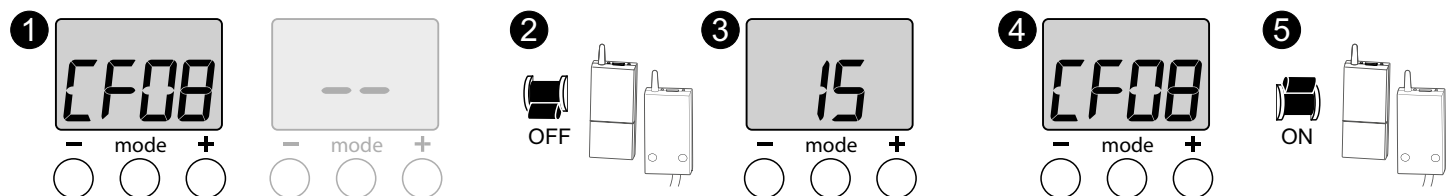
② Press + or - to configure your time base setting.

③ Press briefly on **mode** to validate and return to the CF08 menu.

#### Case No. 2: The heating/air conditioning installation requires that the receivers each have a different control time base

Example: Aeraulic (air conditioning)/hydraulic (heating) installation in the same room, controlled by a single Tybox. This procedure is to be applied as many times as there are different time bases.

To do so:



① From the same CF08 configuration menu, press + or -. If the screen displays «--», this indicates that the settings of the receivers are different.

② Switch off the receivers that are not affected by the time base setting.

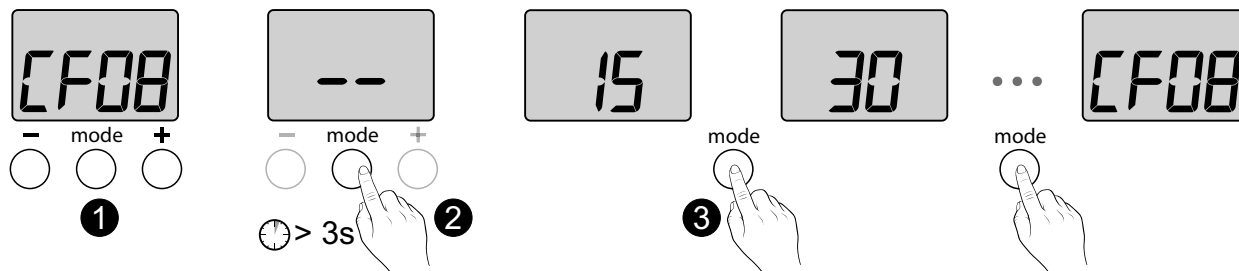
③ Press + or - to configure your time base setting.

④ Press briefly on **mode** to confirm (takes you back to CF08). Wait a few seconds until "dF 9" is displayed.

⑤ Restore the power supply to all receivers.

Recommence operations ① to ⑤ for each time base setting.

To verify the time base settings of each receiver:



**1** From the CF08 menu, press + or -. The screen will display "--" (several receivers have different settings).

**2** Press mode for 3 seconds until the time base value is displayed. The LED on the respective receiver flashes.

**3** Press mode to switch to the next receiver. The LED on the concerned receiver flashes and the value of its time base is displayed.

**NOTE:** During this step, do not press + or -.

## 8. Technical specifications

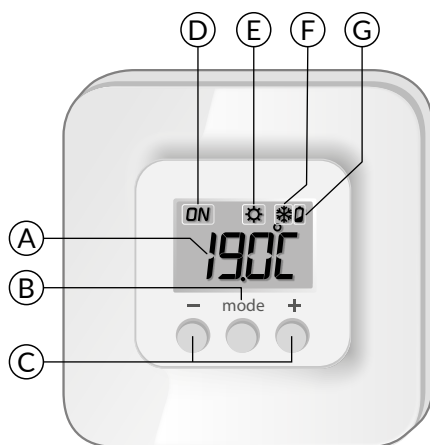
### TYBOX 5300 transmitter

- Power supply using 2 batteries:  
2x1.5V Alkaline - Type LR03-AAA
- Class III insulation
- X3D transmission frequency: 868.7 MHz to 869.2 MHz
- Maximum wireless power < 10 mW
- Category II receiver
- Wireless range of 300 metres outside, varies depending on the associated equipment (the range can vary depending on the installation conditions and the electromagnetic environment).
- Wall-mounted or on base
- Dimensions: 80 x 84 x 21 mm
- Protection Class: IP 20
- Installation in an environment with normal pollution levels
- Storage temperature: -10°C / +70°C
- Operating temperature from -10°C / +40°C

### RF 6050+ receiver

- Power supply 230 V ~, 50 Hz
- Consumption: max. 0.8 W
- Class II insulation
- Contact output 5 A max., 230V ~
- Cable diameter 7mm +/- 0.4mm  
- cable length: 1.25 m
- Type I.C automated action
- Dimensions: 54 x 140 x 25 mm
- X3D transmission frequency: 868.7 MHz to 869.2 MHz
- Maximum wireless power < 10 mW
- Category II receiver
- Wireless remote control device
- Wireless range of 300 metres outside, varies depending on the associated equipment (the range can vary depending on the installation conditions and the electromagnetic environment).
- Protection rating: IP 44  
- with the supplied cable,  
- vertical positioning of the product.
- Storage temperature: -10°C / +70°C
- Operating temperature: -10°C / +60°C
- Ball test temperature: 75°C (Housing),
- Rated impulse voltage: 2,500V

## 1. Description

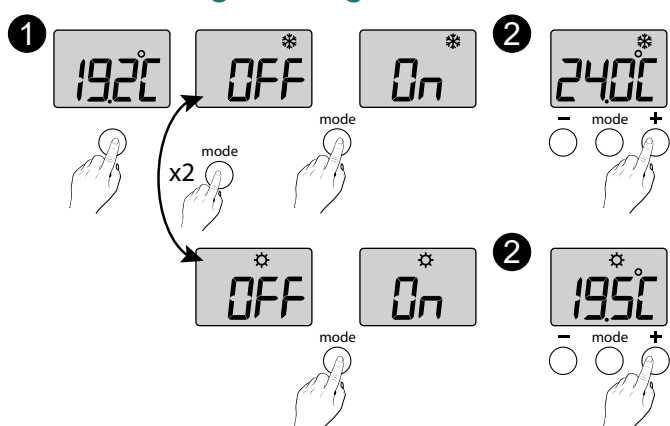


- (A) Temperature display
- (B) Select the mode
- (C) Adjustment buttons
- (D) Request in progress

- (E) Heat mode
- (F) Air conditioning mode
- (G) Battery level indicator

## 2. Consultation or modification of temperatures

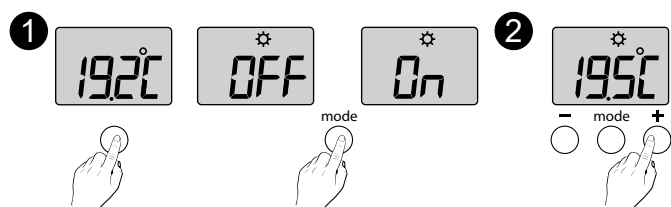
### 2.1 Heating/Cooling



- 1 Press any button to activate the display screen. To switch from Heating (☀) to Cooling (❄), press **mode** twice. The current mode is displayed: ON = Thermostat on, OFF = Off. To switch from one mode to another, press **mode**.

- 2 From ON mode, wait a few seconds to display the set-point temperature and change it using + or -. Validation after 2 seconds if no buttons are pressed.

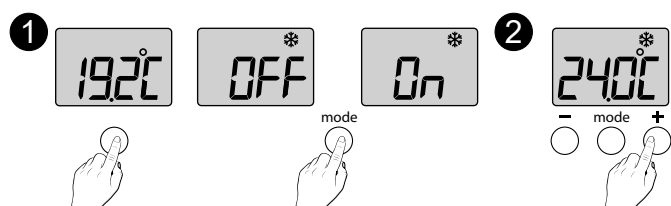
### 2.2 Heating



- 1 Press any button to activate the display screen. The current mode is displayed: ON = Thermostat on, OFF = Stop. To switch from one mode to another, press **mode**.

- 2 From ON mode, wait a few seconds to display the set-point temperature and change it using + or -. Validation after 2 seconds if no buttons are pressed.

### 2.3 Air conditioning



### 3. Open window detection



If you have associated a motion detector to your installation.  
When a window is opened, depending on the heating configuration, the screen indicates:  
Heating: Frost protection setpoint (8°C by default) alternating with OPEN.  
Air conditioning: «--» alternating with OPEN.

### 4. Operation with the Tydom application

Your RF6050+ receiver can be associated using the TYDOM application.

| Features                                         | Via the Tydom app                                                                                                          |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Programming                                      | Yes                                                                                                                        |
| Setting the temperatures                         | Yes<br>(temperatures programmed in the app: special events, overrides, scenario)                                           |
| Pre-heat function                                | Yes<br>Your equipment automatically determines the start-up time in order to reach the temperature at the programmed time. |
| Absence mode / Heat mode / Air conditioning mode | Yes                                                                                                                        |
| Deactivating the system                          | Yes                                                                                                                        |



In "absence" mode, depending on the heating configuration, the screen of the Tybox indicates :  
Heating: Frost protection setpoint (8°C by default) alternating with Ab.  
Air conditioning: «--» alternating with Ab.



In "system shutdown mode", the Tybox screen indicates OFF.

### 5. Troubleshooting

#### 5.1 What the receiver LEDs mean

| Signal type                             | Diagnosis/Solutions                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The <b>green</b> light is constantly on | Power supply is on.                                                                                                                                                                                                                                                                                                                                        |
| The <b>red</b> light is constantly on   | The receiver is requesting heat.                                                                                                                                                                                                                                                                                                                           |
| The <b>red</b> LED is slowly flashing   | The receiver is pending association.<br><a href="#">Please refer to the "Associating the receiver(s) to the transmitter" chapter.</a>                                                                                                                                                                                                                      |
| The <b>red</b> LED is flashing quickly  | The deletion of the association between the receiver and a door/window sensor is pending.                                                                                                                                                                                                                                                                  |
| The <b>green</b> LED is flashing        | The receiver isn't associated.<br><a href="#">Please refer to the "Associating the receiver(s) to the transmitter" chapter.</a>                                                                                                                                                                                                                            |
| The 2 LEDs are flashing simultaneously  | No signal has been received by the thermostat for 1 hour.<br>The receiver is operating in <b>backup mode (*)</b> .<br><a href="#">Turn the thermostat on by pressing a button.</a><br><a href="#">If the problem persists, make sure that the transmitter is not too far away and that you have followed the mounting/placement instructions properly.</a> |

#### (\*) Function in backup mode:

- When switching to backup mode, if the receiver control was off, it stays off otherwise it switches to emergency Frost protection.
- In this Frost Protection Backup (or Stop) mode, pressing the button authorises a manual override.

3 control types are available and are shown by the LEDs flashing:

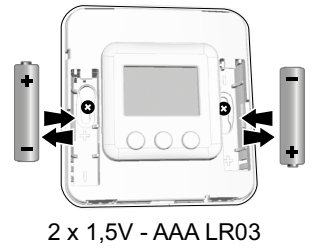
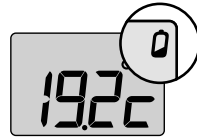
- 1 flash: Off,
  - 2 flashes: Emergency frost protection (heating 15% of the time),
  - 3 flashes: Emergency Comfort (heating 75% of the time), 24 hour timer.
- You can switch from one to the other by briefly pressing the button.

## 5.2 Changing batteries

- The symbol  appears.

You have approximately 1 month to replace them (two 1.5 V alkaline batteries, either LR03 or AAA).

**WARNING:** make sure you insert the batteries facing the right way and that they are the right type (no lithium batteries).



## Frequently Asked Questions (FAQ)

- The screen displays: 

Your Tybox transmitter is temporarily awaiting feedback.

- The screen displays: 

Your Tybox transmitter has just "woken up" (exit standby).

- The screen displays "dF 0".

Your Tybox transmitter is not associated to a heating receiver.

- The screen displays "dF 9".

One-off wireless fault during a wireless signal exchange (turning on, sending a command).

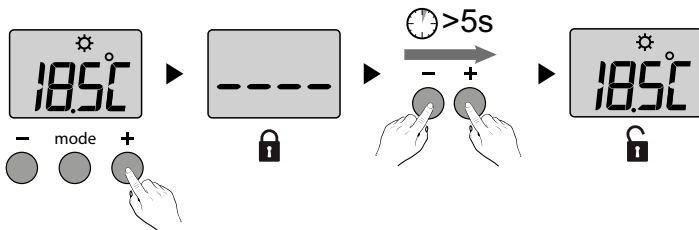
- The screen displays "dF22".

You are controlling several receivers that are not in the same operating mode (heating or air conditioning). Press mode to synchronise them, the dF22 display disappears.

- You do not have access to the settings

The buttons are locked. The screen displays "----".

To temporarily unlock (until the next standby time), simultaneously press and hold the + and - buttons for 5 seconds.



To unlock them permanently, go to the CF02 configuration menu.