



User instructions

Tybox Control range

www.deltadore.com

Tybox Control is a room thermostat that can operate:

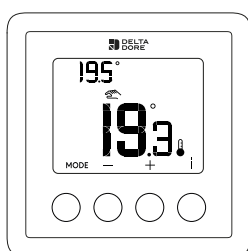
- either in thermostat mode (paired with a wireless receiver, with the option to be connected to a Tydom / Tywell hub),
- or in smart sensor mode (paired directly with a Tydom/Tywell hub, without a control unit).

Tybox Control is available in 2 other versions:

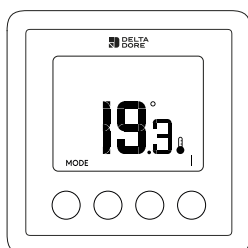
Tybox Control BK = black version

Tybox Control XL = rectangular version

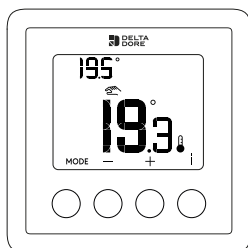
Thermostat
mode



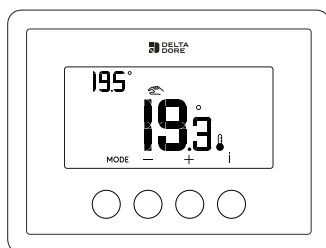
Smart sensor
mode



Tybox Control is available in 2 formats (square and rectangular).



Tybox Control



Tybox Control XL

This user manual is common to several heating modes:

electric, hot water, reversible or non-reversible heating, etc.

Depending on the configuration of your installation, some

commands and/or symbols on the screen may not be accessible.

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Use in smart sensor mode

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Description of compatible receivers

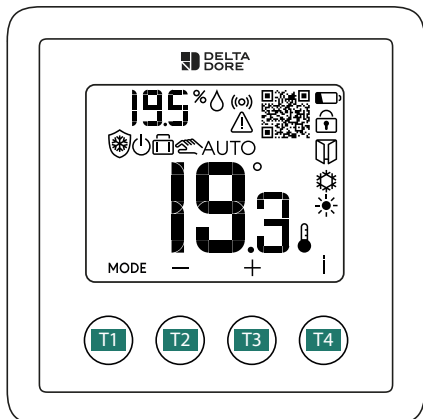
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Use in smart or ordinary thermostat mode

1. Presentation

1.1 Description of the thermostat

The interface is designed to be simple and user-friendly, for smooth navigation.



The illustrations in these instructions are based on the screen of the Tybox Control in the square version, however, the indications and symbols displayed are exactly the same for the rectangular version (XL).



Access to the online user manual



Shutdown mode with frost protection



Off mode



Absence mode



Manual mode

AUTO

Smart mode



Ambient temperature



Child lock



Open window



Cooling request in progress



Heating request in progress



Humidity level



Low batteries



Wireless fault



Fault

To make this manual easier to read, we have labelled the navigation and control keys **T1** to **T4**.

1.2 Navigation

In normal use (excluding the settings menus), the thermostat gradually switches to standby after 30 seconds without action.

To perform any operation, press a button to "wake up" the display.

Once the screen is awake, you can navigate the various menus.

The MODE button (T1) provides quick access to the manual, absence, auto (if smart) or off modes.

Use the < and > buttons to select the menu.

Use the + and - buttons to change the settings.

The ✓ button is used to confirm any changes.

Press X to exit the menu.

Press the i button to check the status of your installation.


2. Thermostat configuration

The **U** menu allows you to customise the installation.

Menu **i** is reserved for configuring the installation.


These menus can be locked by means of an access code depending on the "installation" configuration.

- 1 Press the **i** button (T4) for 5 seconds until "U" is displayed (user settings menu).
- 2 To move from one menu to another (Use / Installation), press **<** or **>** (T2 or T3).
- 3 Confirm your choice by pressing **√** (T4).
- 4 Select the setting to be modified using the **<** or **>** keys (T2 or T3), then confirm with **√** (T4).
- 5 Press the **+** or **-** keys to change the value (T2 or T3), then confirm with **√** (T4).

U 	Use
	U01: User code U02: Type of lock U03: Child lock U21: Correcting the measured temperature U31 - U32: Display settings U33 - U34: Display settings in Standby mode U35: Backlight activation U36: Display in Shutdown mode

2.1 Locks and limitations

The thermostat settings allow different types of locks and limitations.

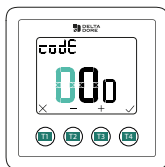
	Shutters
Access to the installation settings menu	i01 Locking by access code (U01 and i02)
Access to the user settings menu	
Choosing the mode and changing the set-point	U02
Limitation of the settings	i21 to i23
Child lock (No buttons are active)	U03

2.2 User settings (U)

If installation parameter i01 =3, you will be asked for the user access code (000 by default).

If installation parameter i01 =2, you will be asked for the installer access code (000 by default).

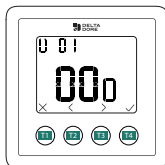
Entering the access code: choose the digit using + or -, confirm with ✓ and move on to the next digit.



U01: User code

This menu can only be accessed if i01 = 3. This menu is used to change the user code (3 digits, "000" by default), which locks access to the user settings.

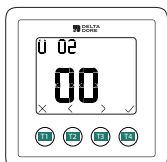
- From the "U01" display, press ✓ (T4).
The screen displays "000" The 1st figure flashes.
- Press - or + (T2 or T3) to set the 1st digit.
Press ✓ (T4) to confirm and move on to the next digit.
- Press - or + (T2 or T3) to set the 2nd digit.
Press ✓ (T4) to confirm and move on to the next digit.
- Press - or + (T2 or T3) to set the 3rd digit.
Press ✓ (T4) to confirm and exit the menu.



U02: Type of lock

This menu allows you to set the desired locking level.

- From the "U02" display, press ✓ (T4).
- Press - or + (T2 or T3) to set the setting value and confirm your choice by pressing ✓ (T4).

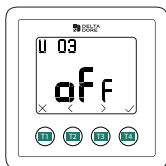


	Modes			Set-point temperature
	STOP			
00	-	-	-	-
01			-	-
02				-
03				

U03: Child lock

If you activate the child lock, the buttons will not function and changes to the temperature setting will not be possible without intentionally unlocking.

- From the "U03" display, press ✓ (T4).
- Press - or + (T2 or T3) to switch to "on" and confirm your choice by pressing ✓ (T4).



Off	No child lock
On	Child lock active

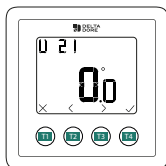
If the child lock is activated, the padlock symbol will appear on the screen when you wake up the display. To momentarily unlock (until next put into standby), simultaneously press and hold the T3 and T4 buttons for 5 seconds.

U21: Correcting the measured temperature

This menu allows you to correct a discrepancy between the temperature displayed by your thermostat and the temperature measured in the room (thermometer).

Example: if the temperature displayed by the thermostat is 19.3°C and the temperature measured is 20°C, set it to 0.7°C.

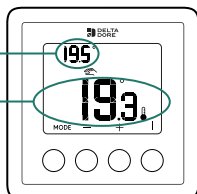
- From the "U21" display, press √ (T4). The screen displays "0.0".
- Press - or + (T2 or T3) to set the desired value (from -5°C to +5°C) and confirm your choice by briefly pressing √ (T4).



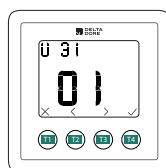
U31 - U32: Display settings

This menu allows you to determine the information you want to appear on the screen, in AUTO or Manual mode (👉).

Line 2 (U32)
Line 1 (U31)



- From the "U31" display, press √ (T4).
- Press - or + (T2 or T3) to set the setting value and confirm your choice by pressing √ (T4).



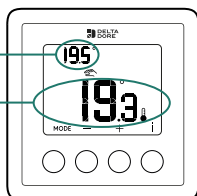
	Line 1 (U31)	Line 2 (U32)
00	-	-
01	Room temperature measured	Room temperature measured
02	Set-point temperature	Set-point temperature
03	Humidity level	Humidity level

- From the "U32" display, repeat the operations for line 2.

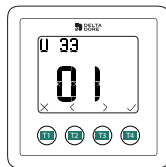
U33 - U34: Display settings in Standby mode

This menu allows you to determine the information that you want to appear on the screen, in Standby mode.

Line 2 (U34)
Line 1 (U33)



- From the "U33" display, press √ (T4).
- Press - or + (T2 or T3) to set the setting value and confirm your choice by pressing √ (T4).

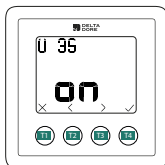


	Line 1 (U33)	Line 2 (U34)
00	-	-
01	Room temperature measured	Room temperature measured
02	Humidity level	Humidity level

- From the "U34" display, repeat the operations for line 2.

U35: Backlight activation

- 1 From the "U35" display, press √ (T4).
- 2 Press - or + (T2 or T3) to set the value of the setting and confirm your choice by pressing √ (T4)..

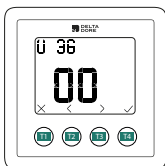


Off	Backlighting inactive
On	Backlighting active

U36: Display settings in Shutdown mode

This setting applies to the Shutdown mode accessible using the Mode button (T1).

- 1 From the "U36" display, press √ (T4).
- 2 Press - or + (T2 or T3) to set the setting value and confirm your choice by pressing √ (T4).





	Line 1	Line 2
00	-	-
01	Room temperature measured	-
02	Same display as that determined in settings U31 and U32.	



3. Operation

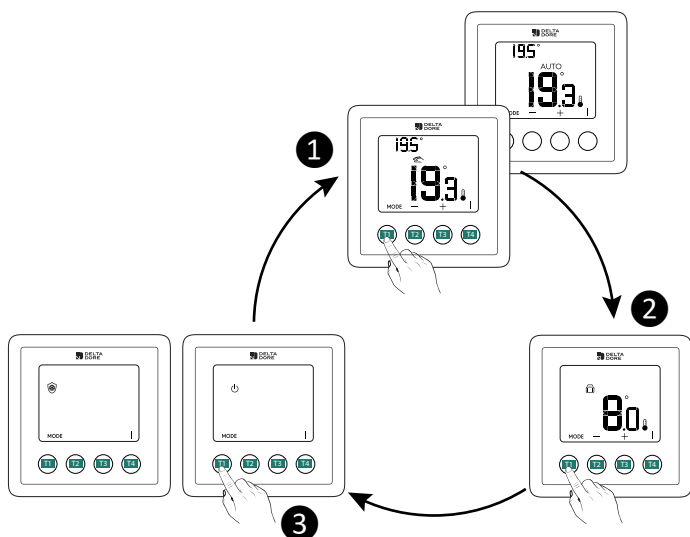
3.1 Mode selection

After waking up the display by pressing a button, choose your local operating mode by repeatedly pressing the MODE button (T1),

① Manual mode  and AUTO mode (if smart)

② Absence mode 

③ Stop mode  or .



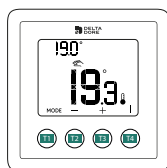
3.2 Set-point temperature adjustment

Depending on the current mode, the setpoint adjustment range may vary.

Manual mode (①) and AUTO mode (if smart).

In this mode, the set-point temperature (desired temperature) can be adjusted using the - and + buttons (T2 and T3), from 5°C to 30°C (Heat) or from 10°C à 35°C (Cool).

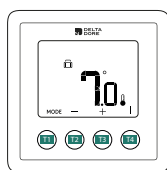
Confirm with ✓ (T4).



Absence mode (②).

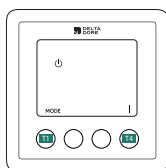
In this mode, the set-point temperature (desired temperature) can be adjusted using the - and + buttons (T2 and T3), from 5°C to 16°C in Heat mode. In Cool mode, Absence mode switches the system off.

Confirm with ✓ (T4).



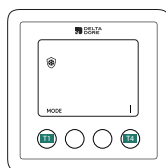
Shutdown mode (③).

In this mode, the heating is off (except in case of frost protection: the set-point is then defined in installation setting i47).



Without frost protection

OR



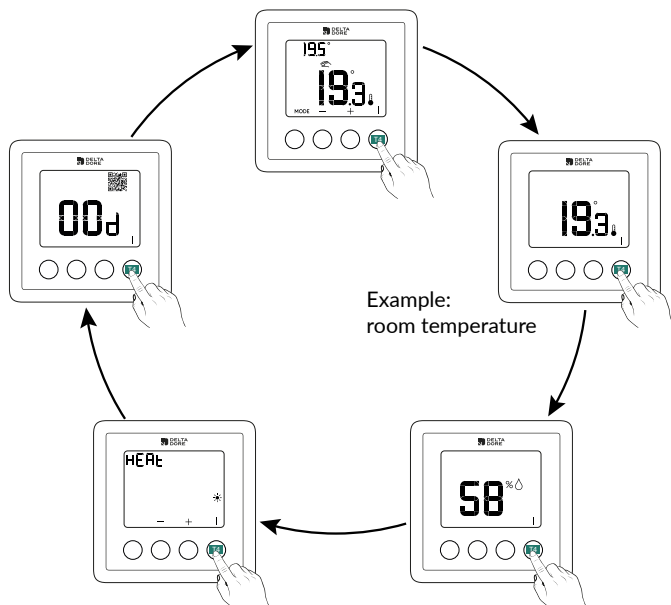
With frost protection

3.3 Information button i

Press **i** to access information about your installation.

Repeatedly press **i**, the following screens are displayed:

- errors, if a problem has been detected
(the presence of the < > buttons indicates several errors to be viewed)
- temperature/humidity display, depending on current mode and U31-U32 settings,
- Current mode (HEAt, StoP or CoolL),
- QR Code: access to the user instructions
00d or 21d or 11d or 13d: ID that may be requested by technical support.



3.4 Mode change: Heat, Cool, Stop

You will only be offered the modes that correspond to your configuration (Heat or Cool or Heat/Cool).

- 1 Repeatedly press **i** until "HEAt", "Cool" or "StoP" is displayed.
- 2 Press - or + (T2 or T3) to select the desired mode and confirm with ✓ (T4).

In the case of a multi-zone installation, please note that the mode change is not synchronised. It is therefore necessary to carry out the action on each thermostat connected to the same generator (e.g. boiler, heat pump, etc.).

A synchronised action can be launched from the application if the devices are smart.

NB: in "Stop" mode, frost protection is not active, even if it has been configured (installation setting i46).

4. Smart function

This function is only possible if your thermostat is paired with a smart home hub (Tywell or Tydom).

Features	From the thermostat	Via the Tydom app
Programming	No	Yes
Setting the temperatures	Yes (permanently in Manual mode, override in Auto mode)	Yes (temperatures programmed in the app: special events, overrides, scenario)
Pre-heat function	No	Yes Your equipment automatically determines the start-up time in order to reach the temperature at the programmed time.
Absence mode/ StoP, HEAt, Cool modes	Yes (applied only to the thermostat)	Yes (mode synchronisation applied to all thermostats)

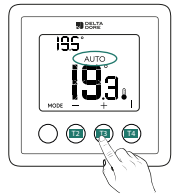
In smart mode, it is imperative that the thermostat is set to AUTO mode so that it follows the programming configured in the Tydom app.

In this mode, the set-point temperature (desired temperature) can be changed using the - and + buttons (T2 and T3).

Confirm with ✓ (T4).

The change will last until the next programme change defined in the app.

It is also possible to override in Stop mode (display "oFF").



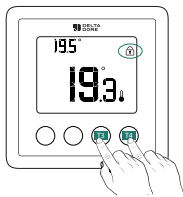
In the other modes (Absence, Shutdown or Manual), programming will not be taken into account, but any changes (set-point and mode) applied from the app will be applied to the thermostat.

5. Troubleshooting


5.1 Child lock

A padlock appears on the screen when you wake up the display.
No button is active.
This means that the child lock is activated.


To temporarily unlock this safety device (until the next time the thermostat is switched to standby), press and hold buttons T3 and T4 simultaneously for 5 seconds.




5.2 Possible errors


An error in the installation will be indicated by the  symbol.
Press the i button (t4) to find out what type of error is involved.

The screen displays	Diagnostics / Solution
00	1- No receiver has been associated to the thermostat <i>Associate the receiver with the thermostat</i>
01	Thermostat sensor error <i>Contact your installer.</i>
09(*)	There has been a temporary wireless communication error between the receiver and the thermostat. <i>The error disappears once it has been viewed.</i>
13(*)	There has been no wireless communication between the receiver and the thermostat for more than an hour. <i>Check that the receiver is switched on.</i> <i>If the error persists, please contact your installer.</i>
22	You are controlling several receivers that are not in the same operating mode (heat or AC). <i>When the fault is rectified, the unit is returned to Heat mode and the fault is cleared.</i>
23	Humidity sensor error <i>Contact your installer.</i>
25	You are controlling several receivers that are not in the same operating mode (Auto, Manual, Absence, Off). <i>When the error is viewed, the unit returns to manual mode and the error is cleared.</i>

(*) The  symbol appears.

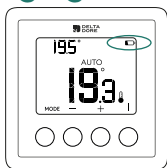
- **The 2 lights on the receiver flash simultaneously**
 - After a mains power cut: return to normal within 5 minutes.
 - If communication with the transmitter is lost for more than 1 hour.
The receiver then operates in emergency mode (see page 14).
- **With electric heating, the requested temperature is not reached**
 - The radiator must be in automatic mode (AUTO, PROG, , ...), its Comfort temperature setting at maximum.
 - The opening and presence detection functions on the radiator(s) must be deactivated, if present.
- **“DEL” (load-shedding in progress) screen** appears on the LCD screen of certain radiators when the STOP command is issued.
 - This is normal with our product.

5.3 Low battery warning / Changing the batteries

When the  symbol appears, you have one month to replace the batteries.

To change the batteries:

- 1 Remove the room thermostat from its stand or mount.
- 2 Replace the batteries, making sure that they are facing the right way and that they are the right type (2x 1.5V LR03 or AAA batteries, no Lithium or rechargeable batteries).



5.4 Temperature setting limitation

You are unable to set the desired set-point temperatures. The setting ranges were limited during installation (menus i21, i22, i23).

5.5 Access code

If you enter the access code incorrectly, you will be returned to the home screen.

If you lose or forget the code, contact the person in charge of the installation (installer, owner, etc.).

Use in smart sensor mode

6. Configuration of thermostat settings in sensor mode

Your Tybox Control has been configured to sensor mode by your installer. In this configuration, Tybox Control cyclically transmits the measured temperature and humidity level to the Tydom or Tywell box.


No mode or temperature settings changes are possible.

The **U** menu allows you to customise the installation.

Menu **i** is reserved for configuring the installation.

These menus can be locked by means of an access code depending on the "installation" configuration.

- 1 Press **i** (T4) for 5 seconds, until "U" is displayed (user settings menu).
- 2 To move from one menu to another (Use / Installation), press **<** or **>** (T2 or T3).
- 3 Confirm your choice by pressing **√** (T4).
- 4 Select the setting to be modified using the **<** or **>** keys (T2 or T3), then confirm with **√** (T4).
- 5 Press the **+** or **-** keys to change the value (T2 or T3), then confirm with **√** (T4).

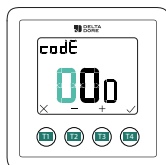
	U Use U01: User code U03: Child lock U21: Correcting the measured temperature U35: Backlight activation
--	--

User settings (U)

If installation parameter **i01 = 3**, you will be asked for the access code (000 by default).

If installation parameter **i01 = 2**, you will be asked for the installer access code (000 by default).

Entering the access code: choose the digit using **+** or **-**, confirm with **√** and move on to the next digit.

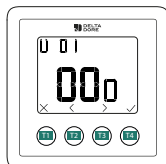


U01: User code

This menu can only be accessed if **i01 = 3**.

This menu is used to change the user code (3 digits, "000" by default), which locks access to the user settings.

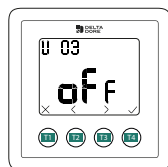
- 1 From the "U01" display, press **√** (T4).
The screen displays "000" The 1st figure flashes.
- 2 Press **-** or **+** (T2 or T3) to set the 1st digit. Press **√** (T4) to confirm and go to the next figure.
- 3 Press **-** or **+** (T2 or T3) to set the 2nd digit.
Press **√** (T4) to confirm and move on to the next digit.
- 4 Press **-** or **+** (T2 or T3) to set the 3rd digit.
Press **√** (T4) to confirm and exit the menu.



U03: Child lock

If you activate the child lock, the buttons will not function without intentionally unlocking.

- 1 From the "U03" display, press **√** (T4).
- 2 Press **-** or **+** (T2 or T3) to switch to "on" and confirm your choice by pressing **√** (T4).



Off	No child lock
On	Child lock active

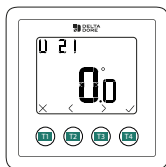
If the child lock is activated, the padlock symbol will appear on the screen when you wake up the display. To momentarily unlock (until next put into standby), simultaneously press and hold the T3 and T4 buttons for 5 seconds.

U21: Correcting the measured temperature

This menu allows you to correct a discrepancy between the temperature displayed by your thermostat and the temperature measured in the room (thermometer).

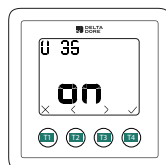
Example: if the temperature displayed by the thermostat is 19.3°C and the temperature measured is 20°C, set it to 0.7°C.

- 1 From the "U21" display, press √ (T4). The screen displays "0.0".
- 2 Press - or + (T2 or T3) to set the desired value (from -5°C to +5°C) and confirm your choice by briefly pressing √ (T4).



U35: Backlight activation

- 1 From the "U35" display, press √ (T4).
- 2 Press - or + (T2 or T3) to set the value of the setting and confirm your choice by pressing √ (T4)..



Off	Backlighting inactive
On	Backlighting active

Description of compatible receivers

7. Presentation

The LEDs and buttons on the receiver should be used primarily for diagnostic and maintenance purposes.

The name of the receiver is marked on the top, near the antenna.

7.1 Tybox Control is paired with an RF 7210 receiver (hot water heating, air conditioning or wood-burning stove)

Alert type	What the lights mean
The GREEN light is constantly on	Power supply is on.
The RED light is constantly on	The relay is closed. A request is underway (hot or cold)
The RED LED is slowly flashing	The receiver is waiting to be paired. <i>Contact your installer.</i>
The GREEN light is flashing	The receiver isn't associated. <i>Contact your installer.</i>
Both lights are flashing simultaneously.	<ul style="list-style-type: none">- After a mains power cut: return to normal within a maximum of 5 minutes.- If communication with the transmitter is lost for more than one hour. <i>Turn the thermostat on by pressing a button.</i><i>If the problem persists, make sure that the transmitter is not too far away and that you have followed the mounting/placement instructions properly.</i> The receiver then operates in emergency mode (*).

(*) Function in emergency mode:

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

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

- 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.

7.2 Tybox Control is paired with an RF 7110 receiver (electric radiators with pilot wire)

Operation with a load-shedder

If a load-shedder is connected to the receiver, the heating will switch to Off during load-shedding requests.

When load-shedding is in progress, the GREEN light on the receiver flashes slowly.

What the lights mean

Alert type	Diagnosis/Solutions
The GREEN light is on and steady.	Power supply is on.
The RED light is on and steady	The receiver is requesting heating (pilot wire output = Comfort)
The RED light is slowly flashing	The receiver is waiting to be paired. Contact your installer.
The RED light is flashing quickly	The deletion of the pairing between the receiver and a door/window sensor is pending. Contact your installer.
The GREEN light is flashing	The receiver isn't associated. Contact your installer.
Both LEDs are flashing simultaneously.	- After a mains power cut: return to normal within a maximum of 5 minutes. - If communication with the transmitter is lost for more than one hour. Turn the transmitter on by pressing a button. If the problem persists, make sure the transmitter is not too far away and that the installation conditions have been respected. The receiver then operates in emergency mode (*).
The GREEN light is flashing slowly	Load-shedding in progress: you are exceeding the consumption allowed in your power subscription. The receiver starts up again automatically after a certain period of time. If an energy manager is also part of the installation, check that is permanently set to Comfort mode.
Both LEDs quickly flash simultaneously.	Pilot wire fault. Contact your installer.

(*) 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 means of the flashing of the LEDs:

- 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.

LED switch off mode

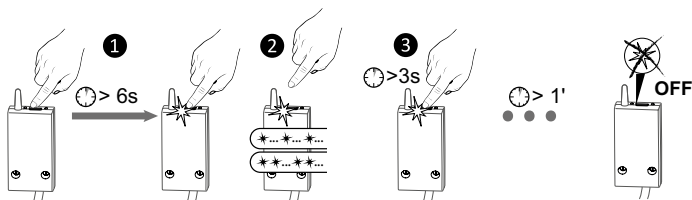
This mode reduces light nuisance.

When the lights-off function is active:

- When powering up (or restoring power), the LEDs are active.
- If the button has not been pressed after one minute, the LEDs switch off.
- A press of the button will authorise the illumination of the LEDs for one minute.

Emergency mode and the pilot wire fault setting will still be signalled.

To enable/disable the function:



① Press the receiver button for 6 seconds until the **RED** light is on and steady. Release the button.

② The LED is flashing:

1 flash: Function not active (lights on)

2 flashes: function active (lights off).

A short press enables you to switch from one to the other.

③ A 3-second press validates the selection and exits the mode.

The lights go out after 1 minute without action, if you have chosen to activate the function.

7.3 Tybox Control is paired with an RF 7130 receiver (electric radiators without pilot wire)

Alert type	What the lights mean
The GREEN light is constantly on	Power supply is on.
The RED light is constantly on	The receiver is requesting heat.
The RED LED is slowly flashing	The receiver is waiting to be paired. Contact your installer.
The GREEN light is flashing	The receiver isn't associated. Contact your installer.
Both lights are flashing simultaneously.	<ul style="list-style-type: none"> - After a mains power cut: return to normal within a maximum of 5 minutes. - If communication with the transmitter is lost for more than one hour. Turn the transmitter on by pressing a button. If the problem persists, make sure the transmitter is not too far away and that the installation conditions have been respected. The receiver then operates in emergency mode (*).

(*) 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 backup mode, pressing the button authorises a manual override.

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

- 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.

LED switch off mode

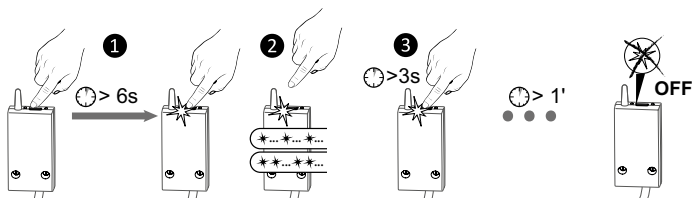
This mode reduces light nuisance.

When the lights-off function is active:

- When powering up (or restoring power), the LEDs are active.
- If the button has not been pressed after one minute, the LEDs switch off.
- A press of the button will authorise the illumination of the LEDs for one minute.

Emergency mode and the pilot wire fault setting will still be signalled.

To enable/disable the function:



① Press the receiver button for 6 seconds until the **RED** light is on and steady. Release the button.

② The LED is flashing:

1 flash: Function not active (lights on)

2 flashes: function active (lights off).

A short press enables you to switch from one to the other.

③ A 3-second press validates the selection and exits the mode.

The lights go out after 1 minute without action, if you have chosen to activate the function.