DELTA DORE

2703292 Rev.03

TYBOX 137 - 237 - 337

www.deltadore.com

X2D

Important product information (❷❹)

			TYBOX 337
	2 x 1,5V LR03 - AAA Alkaline	230V~, 50 Hz +/- 10% 0,5 VA	Lithium 3,6 V - 2,6Ah (10 years autonomy) R6 / AA
	III		III
	868 MHz (EN 300 220) 100 m		
	8 max.		
	/	5 A max., 230V~ (Type 1.C)	/
°C	-5°C / +40°C		-10°C / +70°C
	80 x 103 x 25 mm	54 x 102 x 20 mm	78 x 92 x 42 mm
		IP 30	IP 45
CE	R&TTE 1999/5/CE		

> 5s Press time

Association

Slow flashing

OFF LED off

Room temperature

Set-point temperature

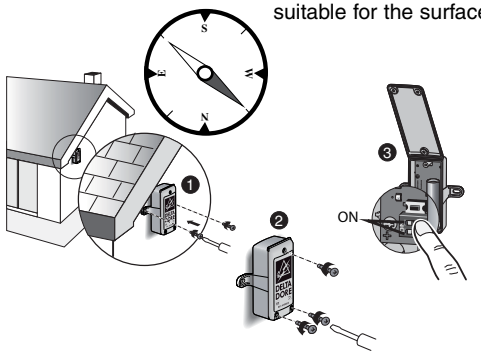
PROG x1 Daily programming

PROG 5+2 2 daily programs (week + week-end

PROG x7 Weekly programming

Install the outdoor sensor (TYBOX 337 only)

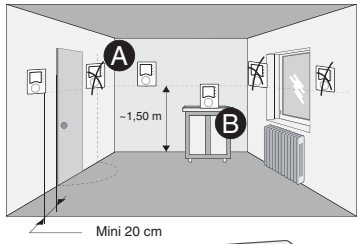
The outdoor sensor must be attached using screws and plugs (not provided) suitable for the surface you are attaching it to:

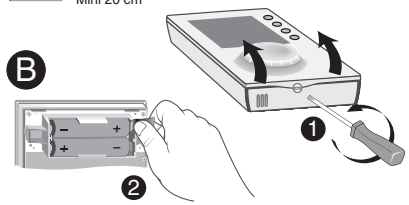


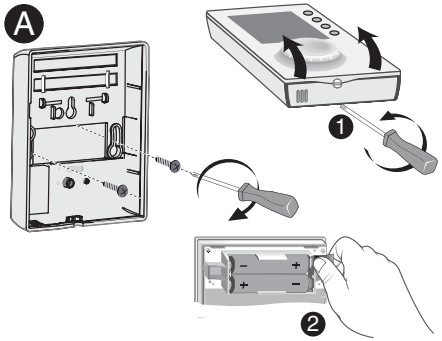
- it must be installed vertically as shown on the diagram opposite.
- The recommended position is on a wall facing north or north-west, so that it is not directly exposed to adverse weather conditions, and away from heat sources such as chimneys, air vents and thermal bridges.

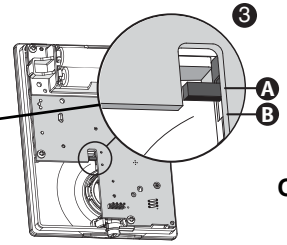
Getting started

- Unscrew the 3 screws on the front of the sensor, then lift the cover.
- Set the 2 switches to ON to activate the sensor



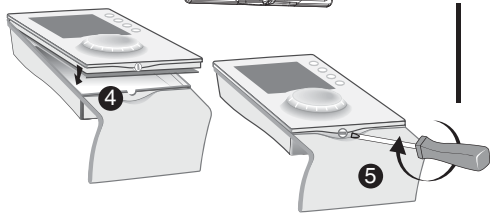


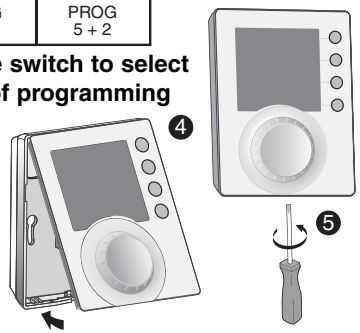




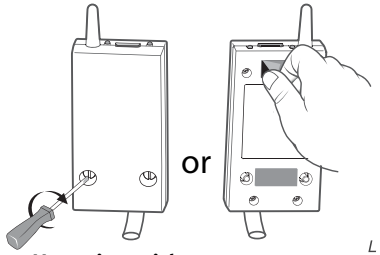
	TYBOX 1x7	TYBOX 2x7
A	PROG x 7	
B	PROG x 1	PROG 5 + 2

Operate the switch to select the type of programming





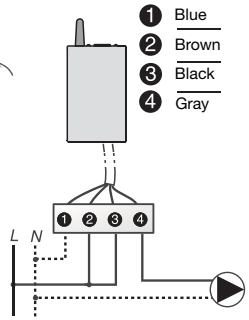
Installing the receiver



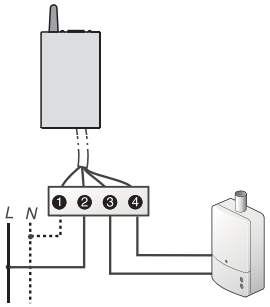
Mounting with screws
Attach to the wall using the screws and plugs provided.

Mounting using double-sided adhesive
Before affixing the adhesive, make sure the surface you are affixing it to is clean

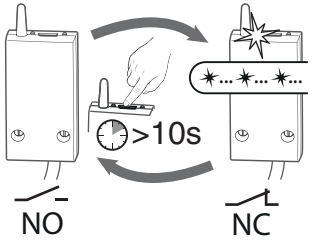
Circulator control for the boiler



Input control for boiler thermostat



Thermostat input



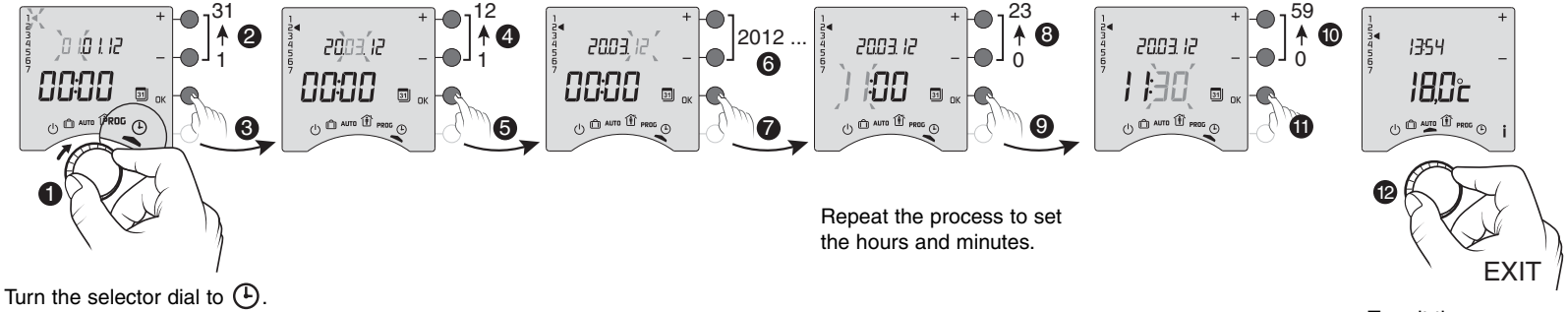
NO : Normally Open

NC : Normally Closed

You can change the direction of operation of the relay
When there is an "on" command, the relay closes.
When there is an "off" command, the relay opens.
You can change the direction of operation of the relay by pressing the corresponding button on the receiver for 10 seconds.

The receiver must be positioned near the heating control (burner or thermostat input of the boiler).
So as not to disturb the radio transmission, the antenna must be positioned away from all metallic parts.

Time setting



Turn the selector dial to ⏲.
The days flash.

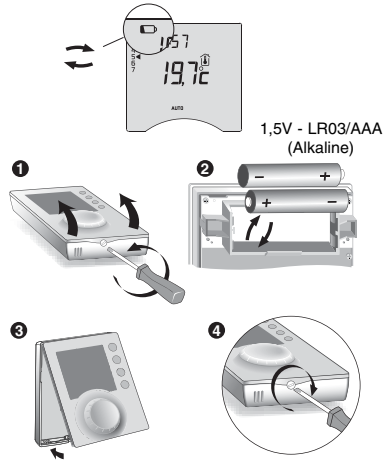
Press + or - to select the day, then press OK to confirm and move on to the next setting.

Repeat the process to set the hours and minutes.

To exit the "time setting" mode, turn the selector dial.

Replacing the batteries

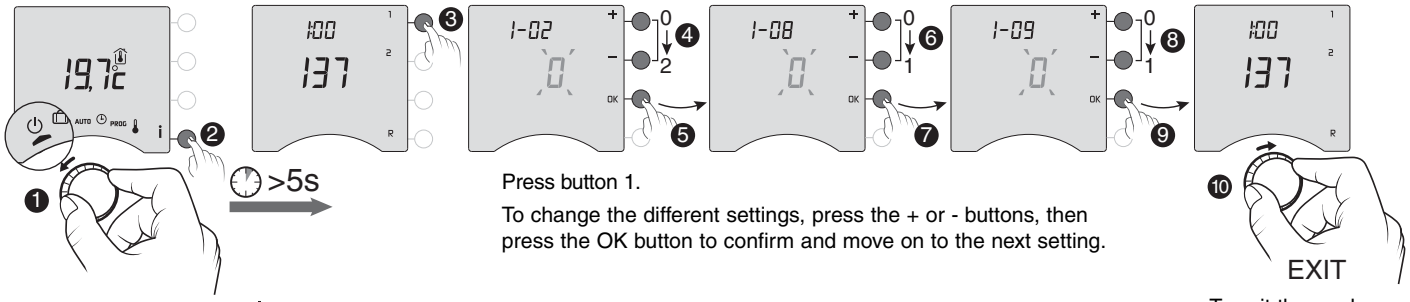
When the batteries symbol appears. you have approximately 1 month to change the batteries (2 1.5 V LR03 or AAA alkaline batteries).



You have approximately 30 seconds to change the batteries before the time setting is reset
(if this happens, reprogramme the date and time).

MENU 1

1-02 Length of a programme stage	Prog 0h 2 (60', 30', 15')	Tybox 137	Tybox 237	Tybox 337
		X		
	0	60 min.		
	1	30 min.		
	2	15 min.		



Turn the selector dial to ⏻, then press the **i** button for 5 seconds

Press button 1.

To change the different settings, press the + or - buttons, then press the OK button to confirm and move on to the next setting.

To exit the mode, turn the selector dial to another mode.

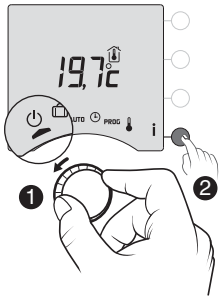
For electrical or hot-water heating systems with thermostatic valves, the thermostat for each radiator or convector may be adjusted to give a comfortable temperature.
In this case, the TYBOX only regulates the Economy and Frost-Protection temperatures.

1-08		Tybox 137	Tybox 237	Tybox 337
		X		
	0	Comfort regulated by TYBOX		
	1	Comfort temperature set on each radiator or convector		

1-09		Tybox 137	Tybox 237	Tybox 337
		X	X	X
	0	Anti-seizing off		
	1	Anti-seizing on (circulator pump ON: 1 minute / 24h)		

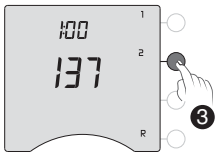
MENU 2

		Tybox 137	Tybox 237	Tybox 337
Permission to change Programme and settings		X	X	X
0 : Modifications permitted to programme and settings	0	☽ ☀ : 5°C < [thermometer] < 30°C ❄ : 5°C < [thermometer] < 16°C		
1 : Modifications to programme not permitted and adjustment of settings limited. Tybox 137: Comfort setting limited between 16 and 22°C. Tybox 237-337: +/- 3°C either side of the last setting.	1	16°C < ☀ < 22°C 13°C < ☽ < 19°C 5°C < ❄ < 11°C	[thermometer] +/- 3°C	
		PROG		

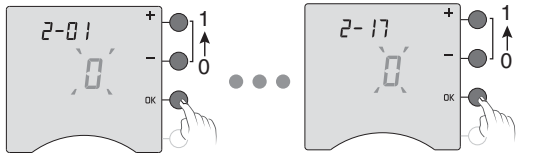


Turn the selector dial to ⏻, then press the **i** button for 5 seconds

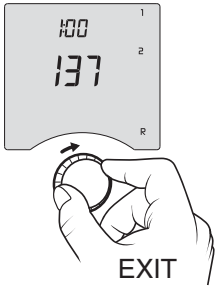
>5s



Press button 2.



To change the different settings, press the + or - buttons, then press the OK button to confirm and move on to the next setting.



To exit the mode, turn the selector dial to another mode.

2-02		Tybox 137	Tybox 237	Tybox 237
Measured temperature correction (-5°C à +5°C par pas de 0,1°C). Example: If the temperature displayed on the device is 19°C and the observed temperature is 20°C, adjust the temperature by +1°C, then confirm by pressing OK.		X	X	X
	- 5°C < [house thermometer] < +5°C Before changing this setting, the device must have been in operation for at least 2 hours.			

2-04		Tybox 137	Tybox 237	Tybox 337
Temperature displayed in AUTO mode		X		
0 : Continuous display of the temperature setting. In this case, press the i button to display the room temperature	0	[thermometer]		
1 : Continuous display of the room temperature. In this case, press the **i** button to display the temperature setting.	1	[house thermometer]		

2-05		Tybox 137	Tybox 237	Tybox 337
Time display mode 12h-24h		X	X	X
	24h			
	12h			

2-08		Tybox 137	Tybox 237	Tybox 337
Control time base If you choose an "on/off" type setting, you can adjust the hysteresis (or differential) via menu 2-11		X	X	X
	15	Minutes		
	30	Minutes		
	45	Minutes		
	60	Minutes		
	TOR	On/Off		

2-11 (2-08 = TOR)	0,2°C < Δ Hysteresis < 2°C
	0,4°C

2-12		Tybox 137	Tybox 237	Tybox 337
Presence of transmitter			X	X
	0	No		
	1	Yes		

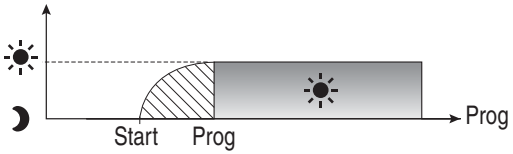
Temperature settings controlled by the transmitter

2-13 (2-12 = 1)	☀ : 5°C --> 30°C	19°C
2-14 (2-12 = 1)	☽ : 5°C --> 30°C	16°C

2-06		Tybox 137	Tybox 237	Tybox 337
Automatic time change (summer/winter time)		X	X	X
	0			
	1			

2-07		Tybox 137	Tybox 237	Tybox 337
Time before boiler maintenance (0 to 365 days) Reprogramme after each maintenance operation		X	X	X
	--- (0) to 365 days			

2-15		Tybox 137	Tybox 237	Tybox 337
Optimisation				X
	0	No		
	1	**OPTIM.**		
	2	**OPTIM +**		



OPTIM.

Anticipation to reach the desired temperature at the programmed time (according to the outside temperature).

OPTIM +

Anticipation to reach the desired temperature at the programmed time (according to the outside temperature) +
Automatic correction based on history from previous days (auto-adapt).
The history from previous days can be deleted via menu 2-16.

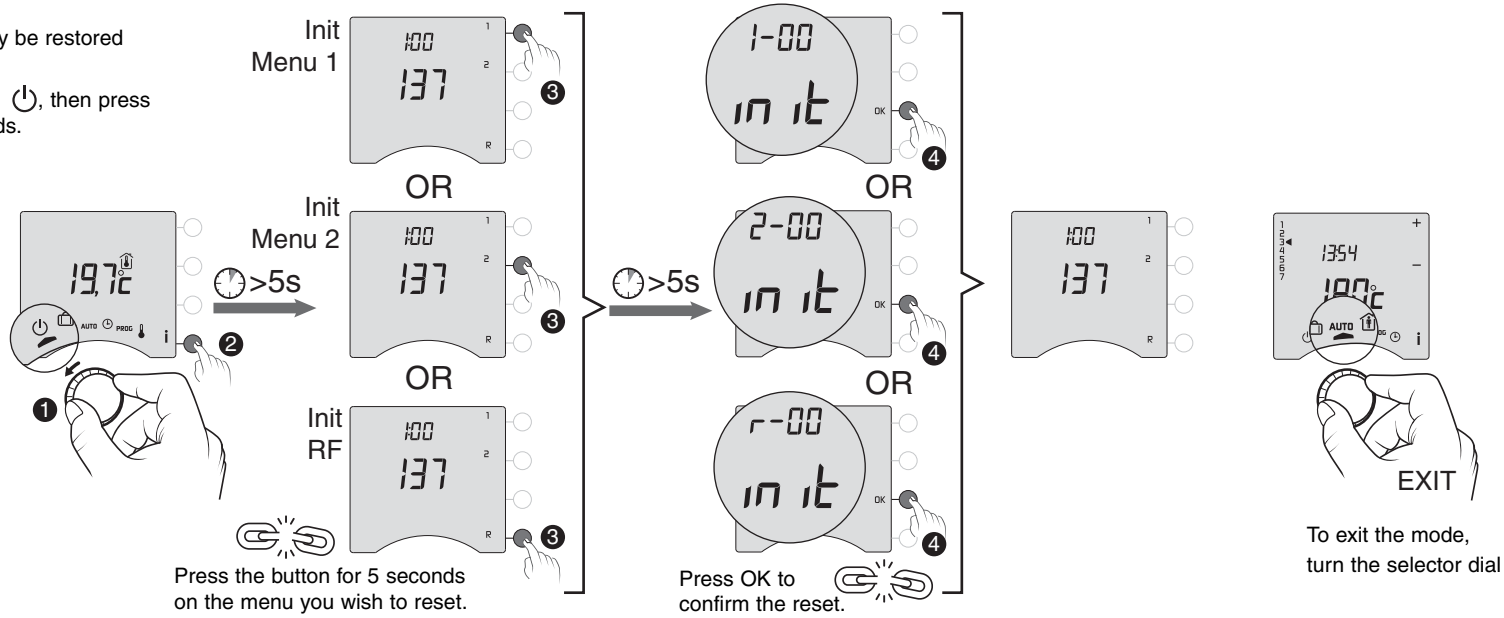
2-16		Tybox 137	Tybox 237	Tybox 337
Resetting the history in **OPTIM +**				X
	0	No		
	1	Yes		

2-17		Tybox 137	Tybox 237	Tybox 337
Resetting the boiler operating time meter		X	X	X
	0	No		
	1	Yes		

Restoring factory settings

The factory settings may be restored for each of the menus.

Turn the selector dial to ⏻, then press the i button for 5 seconds.



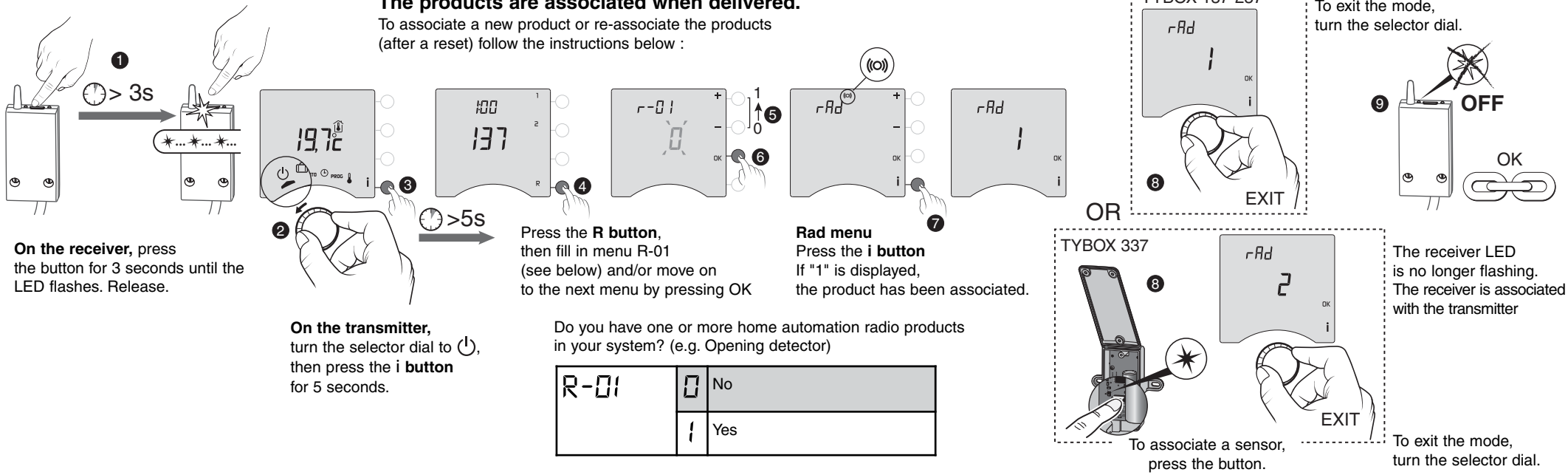
Press the button for 5 seconds on the menu you wish to reset.

Press OK to confirm the reset.

To exit the mode, turn the selector dial

The products are associated when delivered.

To associate a new product or re-associate the products (after a reset) follow the instructions below :



On the receiver, press the button for 3 seconds until the LED flashes. Release.

On the transmitter, turn the selector dial to ⏻, then press the **i button** for 5 seconds.

Press the **R button**, then fill in menu R-01 (see below) and/or move on to the next menu by pressing OK

Rad menu
Press the **i button**
If "1" is displayed, the product has been associated.

To exit the mode, turn the selector dial.

The receiver LED is no longer flashing. The receiver is associated with the transmitter

To associate a sensor, press the button.

To exit the mode, turn the selector dial.

Do you have one or more home automation radio products in your system? (e.g. Opening detector)

R-01	0	No
	1	Yes