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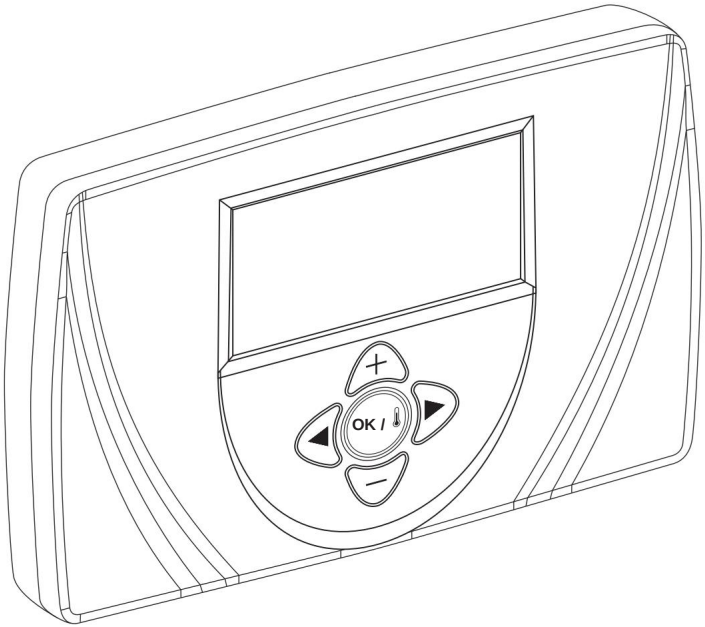
TRL 7.26 RF

User manual



Registered models and patents • Ref 6720816708 (2015/05) FR – PPLIMW15228Ab

Room thermostat with weekly programming with radio frequency

A passion for service and comfort

e.l.m. leblanc

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1 Explanation of symbols and safety precautions

1.1 Explanation of symbols

Warnings

In warning paragraphs, signal words characterize the type and extent of the possible consequences if the measures necessary to avoid the danger are not observed.

The following signal words are defined and may be used in this document:

DANGER :

DANGER indicates the risk of serious or even fatal accidents.

WARNING :

WARNING indicates the possibility of serious or fatal injuries.

PRUDENCE :

CAUTION indicates the risk of minor personal injury to means.

NOTICE :

NOTICE indicates the possibility of material damage.

Important information

Important information that does not concern hazardous situations for people or material is indicated by the indicated info symbol.

Other symbols

Symbol	Meaning
ÿ	Step to follow
ÿ	Reference to another passage in the document
·	Enumeration/Registration in the list
–	Enumeration / List entry (2nd level)

Tab. 1

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1.2 General safety instructions

H **Instructions for users** This instruction

manual is intended for the user operating the heating installation.

The instructions in all notices must be followed. Failure to follow these instructions may result in property damage, bodily injury or fatal accidents.

ÿ Read the user manuals (heat generator, regulation, etc.) before use and keep them.

ÿ Observe the safety and warning instructions.

H **Intended use**

ÿ This product must be used exclusively to regulate heating installations in single-family homes or apartment buildings.

Any other use is not intended. Any resulting damage is excluded from the warranty.

H **Inspection and maintenance**

Regular inspection and maintenance are prerequisites for safe and environmentally friendly operation of the heating system.

We recommend concluding an annual inspection contract and having maintenance carried out as required by an authorized specialist company. ÿ Have this work

carried out exclusively by a professional approved.

ÿ Remedy any detected faults immediately.

H **Frost damage**

If the installation is not in operation, there is a risk of freezing: ÿ Observe all instructions relating to frost protection.

ÿ The installation must always remain in operation for the functions additional features such as domestic hot water production or anti-blocking protection. ÿ Have detected defects rectified immediately.

2 Product Information

2.1 Declaration of Conformity

CE The manufacture and operation of this product comply with the European directives in force as well as the additional conditions required by the country concerned. Conformity has been proven by CE marking.

The declaration of conformity of the product is available on request. By contacting the address on the back of this notice.

2.2 Product data relating to consumption energy

The data given below meets the requirements of EU regulations no. 811/2013 in addition to Directive 2010/30/EU. The class of the thermostat is necessary for the calculation of the energy efficiency for the combi product and can be found in the system data sheet.

Function	Classe1)	[%]1),2)	
TRL 7.26 RF			
PID room thermostat ÿ State of delivery	IV	2,0	ÿ

1) Classification according to EU Regulation No. 811/2013 on the labeling of combination products

2) % contribution to seasonal space heating energy efficiency

2.3 Characteristics •

Wireless communication by radio signal from the TRL (transmitter) with the receiver connected to the installation. Operating distance of approximately 30 meters in residential areas.

• 7-day programming • 9 pre-established factory programs • 4 user programs • Graphic display of the program • Ambient temperature and Time displayed • Comfort / Reduced / Frost protection temperatures • Temporary temperature override • Automatic or Manual operation • Holiday function

• Keypad lock (child protection) • Battery operation, duration >2 years • Low battery indicator • Battery replacement without memory loss except for time

• Reset function

• «O/I» switch for standby mode

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3 Display

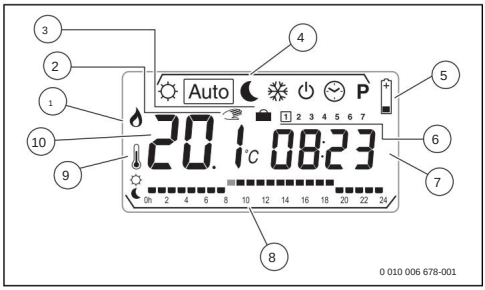

Fig. 1

[1] Heating on
[2] Temperature override
[3] Holiday function activated
[4] Operation mode menu
[5] Low Battery
[6] Weekdays
[7 o'clock
[8] Program graph
[9] If present [10] displays ambient temperature
[10] Setpoint or room temperature

4 Description of the modes Use the

ÿ or ÿ keys to change the mode in the operating mode menu.

For all modes, the receiver must be in automatic mode.

CLOCK adjustment menu Adjusts

the TRL's clock to the current time.

After a battery change, the clock flashes and needs to be readjusted.

ÿ Adjust the minutes using the + or - buttons.

ÿ Press the OK button. ÿ

Adjust the hours using the + or - buttons.

ÿ Press the OK button. ÿ

Adjust the days using the + or - keys.

ÿ Press the OK button.

COMFORT temperature operating mode Forces the comfort temperature indefinitely (if you wish to temporarily force the comfort temperature ÿ HOLIDAY function, page 6). Pressing the **OK** button displays the programmed comfort temperature. ÿ By pressing the + or - buttons the comfort temperature flashes and can be adjusted.

The ambient temperature reappears after a few seconds.

The TRL now follows the comfort temperature.

"Auto" AUTOMATIC operating mode

The TRL follows the chosen program according to the current time. Pressing the **OK** button displays the programmed temperature. ÿ By pressing the + or - buttons it is possible to temporarily modify the desired temperature; this will be effective until the next scheduled change. is posted.

The ÿ symbol Adjust the desired temporary temperature using the + or - buttons.

At the next program change the symbol goes out and the program returns to the preset temperatures.

REDUCED temperature operating mode Forces the reduced temperature indefinitely (if you wish to temporarily force the reduced temperature ÿ HOLIDAY function, page 6). Pressing the **OK** button displays the programmed reduced temperature. ÿ By pressing the + or - buttons the reduced temperature flashes and can be adjusted.

The ambient temperature reappears after a few seconds.

The TRL now follows the reduced temperature.

Frost protection operating mode

Prevents the installation from freezing (if you wish to temporarily force the Frost protection temperature ÿ HOLIDAYS function, page 6). Pressing the **OK** key displays the programmed Frost protection temperature. ÿ By pressing the + or - buttons the temperature of Out gel flashes and can be adjusted.

The ambient temperature reappears after a few seconds.

The TRL now maintains room temperature to prevent freezing.

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Standby

Use this mode if your heating needs to be switched off.

To put the TRL in Standby mode:

ÿ Set the switch to "O".

The screen turns off to reduce power consumption to a minimum.

The programs are saved, the clock continues and consumption is greatly reduced. The +, -, ÿ, ÿ keys are inactive.

ÿ By pressing the OK button, the symbol and the room temperature are displayed. This information remains displayed as long as the OK key is held down.

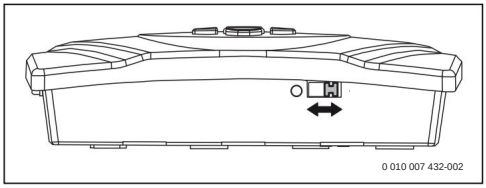

Fig. 2 "O/ I" switch

To wake the TRL from sleep mode:

ÿ Set the switch to "I".

For 3 seconds the software version number is displayed. The TRL then reverts to the operating mode chosen before switching to Standby mode.

NOTICE :

Risk of

freezing ÿ In this mode your installation can freeze because the thermostat stopped.

« P » Menu PROGRAMME

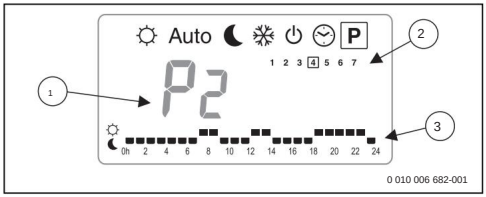

Fig. 3

[1] Programme
[2] Program weekdays
[3] Chart of the day's program

9 preset programs and 4 user programs are available. ÿ By pressing the + or - buttons the program number starts flashing.

ÿ Change program using the + or - buttons. ÿ Use the ÿ or ÿ keys to see the other days of the programme.

The schedule chart for the day is displayed. ÿ By selecting a pre-established program **P1** to **P9** then **OK** this program will be followed in **"Auto** " mode. ÿ By selecting a user program **U1** to **U4** then **OK** you will enter editing mode (ÿ see Editing a user program, page 5).

Description of the factory preset programs:

P1 Morning, Evening & Weekend
P2 Morning, Noon, Evening & Weekend
P3 Day & Weekend
P4 Evening & Weekend
P5 Morning, Evening (Bathroom)
P6 Morning, Afternoon & Weekend
P7 7h – 19h (Bureau)
P8 8h-19h, Samedi (Commerce)
P9 Weekend (Secondary house)

Editing a user program

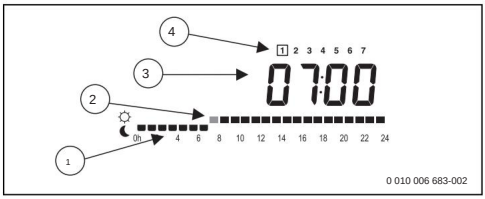

Fig. 4

[1] The – key activates a temperature from to the position of the cursor

[2] The + key activates a temperature from to the position of the cursor

[3] Cursor time [4] Days of the week of the program ÿ Use the ÿ or ÿ buttons to move the flashing cursor to the day. ÿ Modify or correct the program using the + keys

or –.

ÿ When the programming of the day is correct, press the **OK** button to validate it.

The program moves to the next day.

ÿ Modify or correct the day as before.

By validating day 7 you return to the editing menu of programme.

Your user program will now follow if you place the TRL in **"Auto** " mode.

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5 Special functions

HOLIDAY function:

ÿ Use the ÿ or ÿ keys to switch to mode. ÿ Then use the + or - buttons to select the duration in hours **(H)** if less than 24 hours then in days (d).

ÿ Then select mode or or .

The symbol and the number of hours/days remaining are displayed until the TRL returns to **"Auto"** mode and continues to follow the program.

To cancel the HOLIDAYS function: ÿ

Using the ÿ or ÿ keys, go to mode. ÿ Then press the or - buttons until the is displayed.

text no

ÿ Press the **OK button.**

KEYPAD LOCK:

In **"Auto** "mode, or keep the **OK** key pressed and simultaneously press the + or - key to lock **(Loc codE)** or unlock **(Un Loc)** the keypad.

RESET function:

Clears all programs and restores factory default settings. ÿ Go to **OK key mode.**

, then press for 10 seconds on the

All the segments of the display light up showing that the TRL has been erased and restarted with the default factory parameters (temperatures 21°C, 17°C, 6°C, Program U1 all comfort) . ÿ Then readjust the time and reprogram the TRL as longed for.

6 Summary of the instruction manual A summary of the instruction manual is available on the side of the TRL.

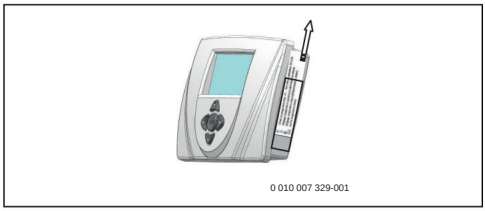


Fig. 5

7 Changing the batteries When the low battery indicator is displayed, the batteries must be changed.

ÿ Press the clip on the left side and pull the front panel to remove it.

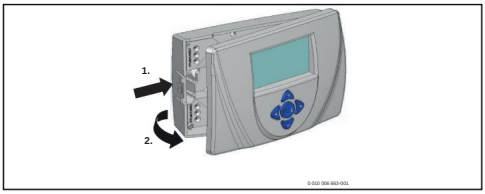


Fig. 6

You now have access to the batteries.

ÿ Replace the batteries with 2 LR03 AAA 1.5V alkaline batteries new.

The clock flashes.

ÿ Readjust the time value after changing the batteries (ÿ see 4 "Description of the modes", page 4).

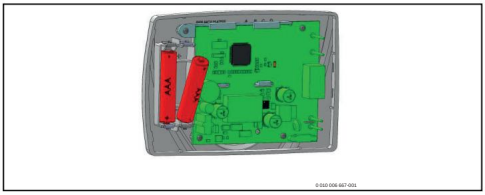
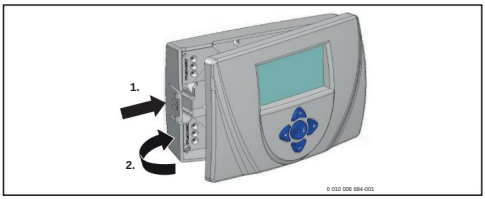


Fig. 7

To close the TRL, ÿ

Place the front face in front of the bottom of the box.

ÿ Press on the front panel so that it locks onto the bottom of the case. You can make it easier to lock by pressing the clip on the left side.



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8 Using the receiver

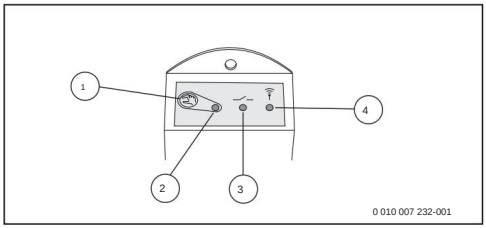

Fig. 8

[1] Key: pressing for 5 seconds gives access to the radio configuration of the receiver (ÿ page 7)

[2] Receiver power-on indication

[3, 4] Operation mode indication

[2] [3]		[4]	Functioning
Yellow Red	Green		
0	0	0	Receiver not powered
1	0	0	HEATING mode off
1	1	0	HEAT mode on
1	0 or 1 Flash		Receipt of an order, 4 quick flashes
1	0 or 1 1		Waiting for the configuration signal (ÿ radio configuration of the TRL with the receiver, page 7)
1	0	Slow flashing	ERROR see troubleshooting below
Clignoslow fear	0	0 or Cli slow gnosis	Transmitter in OFF mode. Flashing green LED indicates reception of a frame from the transmitter

Troubleshooting

ÿ Check the batteries of the transmitter. ÿ Check transmitter/receiver range. ÿ Check that there is no interference from another device less than 50 cm from the receiver. ÿ Check that there is no interference from a device on the 868.3 MHz frequency (permanent emission).

If the yellow LED [2] does not light up: ÿ Check the connection of the receiver. ÿ Check the mains supply (230 VAC).

9 Radio configuration of the TRL with the receiver tor

ÿ On the TRL, select the **"Auto" mode.**

ÿ Then press the **OK** button for 5 seconds; this will enter the radio configuration mode ( ).

nrF In it

The TRL now sends its configuration address by radio signal 4 times per second, ÿ On the receiver, press the button for 5 seconds.

The green LED [4] should light up and start flashing with each radio signal received from the TRL (4 flashes per second). ÿ You can now perform a dis check

radio operating time.

Place the TRL in the room where you want to regulate the temperature and leave it in radio configuration mode ( ).

nrF In it

ÿ Close the doors and return to the receiver. ÿ Check that the green LED [4] flashes with each signal radio :

– If it flashes several times per second, the installation of the TRL and the receiver is correct.

– If it flashes irregularly, you are at the range limit. Install the TRL closer to the receiver.

– If there is no flashing, you are out of range. Install the TRL closer to the receiver. ÿ On the TRL press the **OK** key to exit the radio configuration mode.

Now the TRL drives the receiver.

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10 Technical data

Measurement accuracy	0,1 °C
Setpoint accuracy	0,5 °C
Temperature range • in comfort & reduced: • in hors d'oeuvres:	 5 °C – 35 °C 0,5 °C – 10 °C
Regulation characteristics • Cycle: • Anti-short cycle:	 15 minutes 3 minutes off, 2 minutes on
thermal gradient	1 K/15 minutes
Differential	0,2 °C
Electrical protection • TRL 7.26 RF (transmitter): • Receiver:	 Class II – IP30 Class II – IP43
switched current max.	12A/250V (16A RELAY)
Connection	4 point screw connector on the bottom of the receiver 230 VAC 50 Hz
Piles	2x LR3 AAA 1,5 V piles alcalines sur le TRL 7.26 RF
Radio frequency	868,3 MHz, <10 mW. Distance of approximately 100 meters in open field. Distance of approximately 30 meters in residential area.
Certifications	THIS. EN 300220-3, EN 301489 (Radio frequency certifications)

11 Environmental protection and recycling

Environmental protection is a core value of the Bosch Group.

We attach equal importance to the quality of our products, their profitability and the protection of the environment. Laws and regulations concerning environmental protection are strictly observed.

For the protection of the environment, we use, while respecting the economic aspects, the best possible technologies and materials.

Used devices

When it comes to packaging, we participate in country-specific recovery systems, which aim to ensure optimum recycling.

All packaging materials used are environmentally friendly and recyclable.

Used electrical and electronic devices Electrical

and electronic devices that are no longer in use must be collected separately and subject to environmentally sound disposal (European directive on used electrical and electronic devices).

For the disposal of used electrical and electronic devices, use the country-specific return and collection systems.

Batteries must not be recycled with household waste. Used batteries must be collected in local collection systems.

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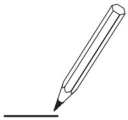

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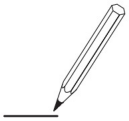

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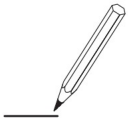

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