

0450017010_1010-30_BA_THETA RSC(-OT)_EbV_GB_Druck:04500170+0_1010-30_BA_THETA RSC(-OT)_EbV_GB_Druck.qxp 05.03.2010 40:31 Seite 1

ble of contents	Page 2
ER LEVEL	
Display and Controls	
Operation start-up - language selection - device identification - standard display	
Temperature settings required daytime temperature, required reduced temperature, required hot water	[.] temperature
Operational mode selection for heating and hot water (summary)	
Function of operational modes holiday, absence, party, automatic, summer, permanent heating, permane	ent reduced heating, standby9
Quick operational mode selection (automatic, party, absence, hot-water reloading)	
-	
Losting and addition on the second seco	

	Alarm messages
IT Reduced mode, heating system	Level UNMIXED CIRCUIT
ATER Economic temperature, legionella protection	Level DOMESTIC HOT WA
Language selection, clearing of time programs, control mode, summer switching-off $\ldots\ldots\ldots.22$ -26 $-($	Level SYSTEM
Time, calender year, calender month, calender day, automatic summer-/wintertime reset	Level TIME-DATE
Programming, copying, reloading of standard programs, table for individual programs	Level TIME PROGRAMS
schematic block diagram	LEVEL SUMMARY











ω

0450017010_1010-30_BA_THETA RSC(-OT)_EbV_GB_Druck:0450017010-30_BA_THETA RSC(-OT)_EbV_GB_Druck.qxp 05.03.2010 0:31 Seite 9

Functions of operational modes



 \oplus



Page 10

10:31 Seite 10

of any time period. The tank will be loaded At adjustment 0.0 the loading is independent







display dependent on the type of heat generator
will be displayed only if the room sensor was activated before







10:31 Seite 16











10:32

Seite 20



		HC)	t (H	ircui	ng ci	eati	ed h	nmix	U		DHW)	rcuit (ter ci	ot-wa	tic ho	omes	Do
		Mon	Mon	Tue	Wed	Thu	Fri	Sat	Sun	7	Mon	Tue	Wed	Thu	Fri	Sat	0
	1 st (From								1st (trom						
Opera	cycle	ŧ								cycle	ŧ						
ting tim	2nd	from				ß	1			2nd c	trom			R	K		
ies prog	cycle	till				Ń				ycle 2	ŧ						
gram P	3rd	from								3rd	trom						
-	cycle	ŧ								cycle	₫						
	1 st (from								1st o	from						
Opera	cycle	ŧ								cycle	ŧ						
uting tim	2nd	from				ß	2			2nd	trom			ß	5		
tes prog	cycle	ŧ				1				cycle	ŧ	,					
gram P:	3nd	from								3rd	trom						
10	cycle	till								cycle	₫						
	1st c	from								1 st o	from						
Opera	:ycle	ŧ								ycle	₫						
ting tim	2nd c	from					5			2nd o	from			ß	K		
es prog	sycle	ŧ								cycle	₫						
gram P:	3rd o	from								3rd o	from						
ω	sycle	ŧ								yycle	₫						

¢

 \triangle

0450017010_1010-30_BA_THETA RSC(-OT)_EbV_GB_Druck:0450017040_1010-30_BA_THETA RSC(-OT)_EbV_GB_Druck.qxp 05.03.2010 10:32 seite 22





Seite 24



5421.

next parameter



referring to the corresponding heating system

DE = German	GB = English	FR = French
IT = Italian	NL = Dutch	ES — Spanish
PT = Portuguese	HU = Hungarian	CZ = Czech
PL = Polish	RO = Romanian	RU = Russian
TR = Turkish	S = Swedish	N = Norwegian
BG = Bulgarian		

ber of languages. After entry as first parameter appears the lan-guage selection. The required language can be selected and accepted according to the above assignment. All information that appears in the display, is available in a num-Factory preset: DE

Operating times program

Factory preset: P1 Setting range: P1, P1-P3

1545

U

RUDRAW

grams. With setting P1 only one operating-times program is avaibe selected for programming operating times. lable, with setting P1-P3 all three programs are released and can This parameter specifies the number of the released time pro-

> Exit: Modify: see » Programming level - Level summary « . push button again. It necessary, correct the tolred value via and accept by pressing the rotarythe rotary-push button. Then set the new requi-Confirm selected flashing parameter by pressing via button 🖭 or automatically after 60 seconds

lowing parameters in the same way.

Application: Use of the instrument at the corresponding language area.

Application: Shift work, different programs for summer, transition period, winter etc.

next parameter







next parameter

Summer switch-off Setting range: OFF, 10.0 to 30,0 °C Factory preset: 20.0 °C

This parameter specifies the heating delimiting value regarding the average resp. current outside temperature and puts the heating system automatically out of service as soon as the outside temperature exceeds the set heating delimiting value. During summer switch-off the pump of the heating circuit is activated each day for approx. 10 seconds to protect it against corrosion.

With setting OFF the summer switch-off is not effective. Hot water preparation is not affected by summer switch-off.

- RESET-

Parameter-reset

This function resets all individually entered values in the programming level to factory preset.

Exception: Time-date, operating times

₩ RESET 5¥57. -5ÊT-

Reset: Press rotary-push button for approx. 5 sec. while indication SET is flashing, until standard display

appears.

Note: The active summer switch-off appears on the standard display with a sunshade symbol.

Page 26



Summer switch-off activated

Application: All objects which do not require a heating operation during summertime

Important: Reset may only be executed if all individually entered values shall be replaced by the factory preset values!



0450017010_1010-30_BA_THETA RSC(-OT)_EbV_GB_Druck:0450017040_1010-30_BA_THETA RSC(-OT)_EbV_GB_Druck.qxp 05.03.2010 10:32 Seite 27

DOMESTIC HOT WATER



This level includes the necessary parameters for programming the hot-water arcuit except the hot-water operating-times.



Hot-water economic temperature

Setting range: 5.0 °C up to the required hot water temperature Factory preset: 40.0 °C

This parameter determines the amount of the reduced hot-water temperature outside the hot-water operating times (between the hot-water cycles) as well as in the operational mode ABSENCE for the duration of absence.

Legionella protection (day)

Setting range: OFF, MO...SU, ALL Factory preset: OFF The locitonal protocition provide to a

PH

IONPROT

The legionella protection serves to avoid a legionella infestation inside the hot-water tank and is activated on the selected weekday (Mon to Sun) or every day at 2.00 o'clock. If the hot-water temperature should drop below 65 °C, the tank is reloaded. With setting OFF this function is not effective.

Entry: see » Programming level - Level summary « .
Exit: via button riangle or automatically after 60 seconds
Modify: Confirm selected flashing parameter by pressing the rotary-push button. Then set the new required value via and accept by pressing the rotary-push button again. If necessary, correct the following parameters in the same way.

Application: Base temperature inside the hot-water tank in order to avoid a cooling down of the tank.

Note: This parameter is skipped if a hot-water thermostat is used instead of an electronic hot-water sensor.

Note: Other legionella protection times can be regulated exclusively by the heating plant specialist.

Important: Danger of scalding! Use thermostatic mixing valve on DHW outlet. Page 27



mum temperature value.

0450017010_1010-30_BA_THETA RSC(-OT)_EbV_GB_Druck:0450017040_1010-30_BA_THETA RSC(-OT)_EbV_GB_Druck.qxp 05.03.2010 10:32 Seite 29



Adaptation to the heating system

Setting range: 1,00 to 10.0 Factory preset: 1,30

in conformity with the adjustment. ses at lower temperatures by a progressive heating curve circuit and compensates the system-related efficiency losheating curve of the selected weather dependent heating convector). The setting value specifies the curvature of the corresponding consumer (underfloor systems, radiator, and has to be adapted to the power characteristic of the This parameter refers to the type of the heating system

Heating circuit name

ted name to each heating circuit. This is used to assign an individual, 5 character, abbrevia-

No individual name is assigned if the setting "empty" is used. The default abbreviated name appears.

The character that blinks can be altered using the rotary

knob according to the code number and accepted by pressing the knob once. The remaining characters can

HE-NHME

. ~

be altered in the same way.

• The individual heating circuit name display appears

- in the menu

- in the info level in the parameter tree

Applications:

mentioned applications The following setting values are recommended for the below-

Setting value 1.00 1.10 1.30 2.20	Application Heating curve for underfloor heating sys or other static heating surfaces Normal standard heating curves for radi
1.00 1.10	Heating curve for underfloor heating or other static heating surfaces
1.30 2.20	Normal standard heating curves for r
3.00 4.00	Heating curves for convectors
4.00 10.0	Special heating curves for ventilat high starting temperatures





