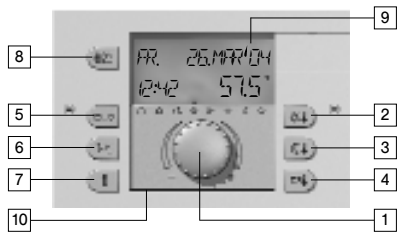


SHORT MANUAL

ATAG MadQ cascade-/mixed circuit control unit

Operating instruments of the control unit



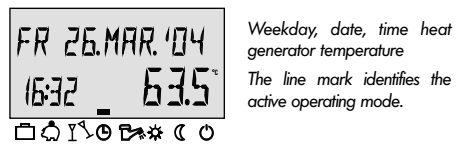
- 1 - Rotary pushbutton
- 2 - Set day temperature
- 3 - Set night temperature
- 4 - Setting domestic hot water temperature
- 5 - Program selection button
- 6 - Key for heating curve adjustment
- 7 - Information button
- 8 - Key for emission measurement and manual operation (only heating specialist)
- 9 - Display
- 10 - Compartment for short manual

Operation and symbols General functions

Using the rotary pushbutton, selected setvalues and parameters can be selected, changed and, by subsequently pressing the button, stored.

- Turn to the right (+): increasing settings
- Turn to the left (-): decreasing settings
- Press once: Accept the selected value, store
- Press long: Entry into the programming level (level selection)

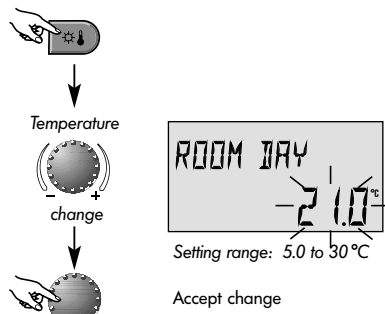
Standard display



Special display symbols

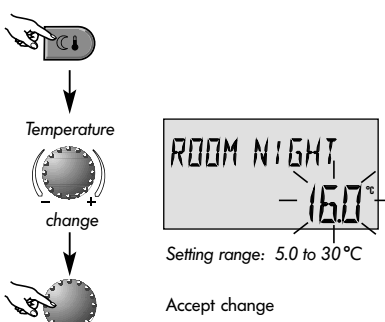
- Ice crystal: Frost protection for plant active
- Sunshade: Summer shutdown active (heating switched off, domestic hot water according to program)
- Alarm message (e.g. domestic hot water) appears alternately with the standard display - notify heating specialist!

Setting day temperature



For detailed information see manual Part **Temperature settings**.

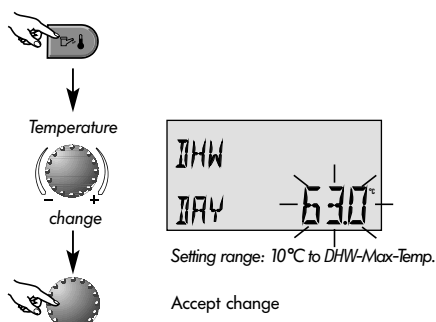
Setting night temperature



For detailed information see manual Part **Temperature settings**.

Note:
During separate operation (heating- and domestic hot water programs individually operable), first select the associated heating circuit and accept it by pressing the rotary pushbutton before setting the day or night temperature.

Setting domestic hot water temperature



For detailed information see manual Part **Temperature settings**.

Heating curves (heating characteristics)

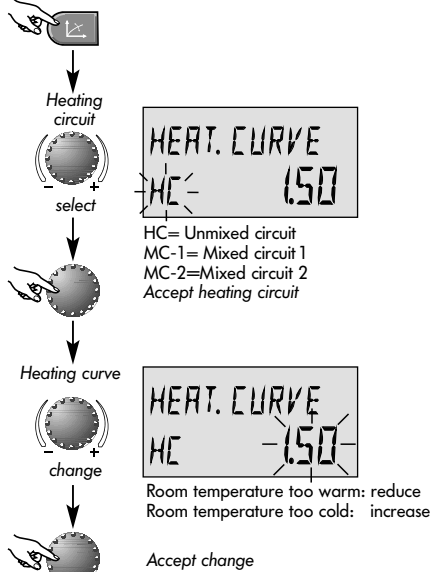
The heating curves adapt the heating performance, depending on the respective outside temperature, to the state of the building.

The following settings should be selected as a base value:

Heatingsystem	coldest outside temperature (regional)		
	-12°C	-15°C	-18°C
Floor	1.10	1.00	0.90
Radiator	1.70	1.55	1.45
Convactor	2.20	2.00	1.85

The coldest outside temperature that can be expected forms the basis of the calculation of the heat demand. The heating specialist can inform you of this.

Correcting the heating curve



If necessary, access the next circuit and correct the slope of the heating characteristics.

Important! Only make corrections after 1-2 days and then only in small steps. Almost completely open the thermostatic valves of the radiators, if present!



For detailed information see manual Part **Heating curve**.



Programs ([] [] [] [] [] [] [] [])

The following programs may be selected:

1. Temporary programs:

- [] HOLIDAY frost protected shutdown of heating and domestic hot water during holiday period
- [] ABSENT temporary interruption of heating period during absence
- [] PARTY temporary extension of heating period after the set time block of the timeprogram has expired

2. Automatic programs:

- [] AUTOMATIC Automatic heating (day) and reducing (night) according to timer program
- [] SUMMER Exclusively domestic hot water according to timer program, heating shut down, frost protected

3. Permanent programs:

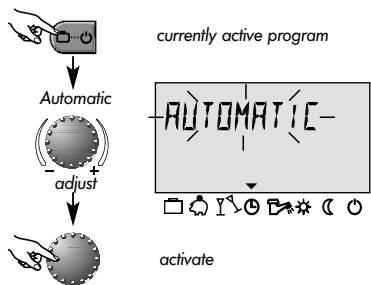
- [] HEATING Permanent heating without time limitation
- [] RED. HEATING Permanent reduced heating without time limitation
- [] STANDBY Frost protected shutdown of heating and domestic hot water

Select operating mode:

After pressing the [] button, the currently active program is indicated by flashing. All other programs can be selected and activated using the rotary pushbutton, whereby the arrowmark is pointing towards the associated symbol.

Note: During separate operation, **before** selecting the desired operating mode, first select and accept the affected heating circuit.

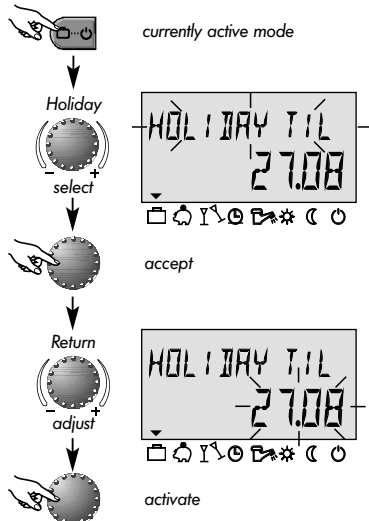
Example: Selecting and activating automatic program



In the temporary programs, the associated times such as return date (HOLIDAY), return time (ABSENT)

or extended heating period (PARTY) can be set.

Example: Setting and activating holiday program



For detailed information, see manual Part *Operational mode selection for heating and hot water, Functions of operational modes as well as Quick operational mode selection.*

Plant information

After pressing the information button, using the rotary pushbutton, all plant temperatures as well as operational modes of all plant components can be accessed one by one.

Turn clockwise:

- Plant temperatures (setvalues and actual values)
- Function and values of variable inputs
- Counter and consumption data

Turn anti-clockwise:

- Heating circuit information such as
 - Operational mode (holiday, absent, party, auto, summer etc.)
 - Current timer program (P1 or P1-P3 after release)
 - Operational mode (daytime mode, reduced mode, ECO mode)
 - Heating circuit (HC, MC-1, MC-2, DHW according to device type)
 - Status of the corresponding heating circuit pump (OFF-ON)
 - Status of the corresponding mixing valve (OFF-STOP-CLOS)
 - Status of the boiler control unit (OFF-ON)
 - Status and function of the variable outputs

Note: The plant information only appears if the corresponding functions are present in the device type.

For detailed information see manual Part *Plant information.*

Programming timeprograms

The programming of timeprograms is carried out according to the following schematic. For detailed information, see manual Part **Programming of timeprograms**. Each flashing adjustment value in the display can be corrected by means of the rotary pushbutton and accepted by pressing the button again. Return to the previous step is accomplished with button [], return to the standard display by means of button [] or automatically after approx. 60 seconds.

