



# FäWa-System AG

## Gebäudeautomation

[www.faewa-system.ch](http://www.faewa-system.ch)

# Operating instructions for WICOS®

## Dialogue unit DE-28 Touch

(Modus 8)

WICOS®-5000



Heizung



Lüftung



Klima



Sanitär



Elektro



Beleuchtung



Beschattung



Messung

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Versionen		
<b>Revision 0</b>	06.2009	Wag
<b>Revision 1.0</b>	05.2016	CS



## 1 Setting up the DE-28-Touch



### Display

The DE-28-Touch's dialogue unit is equipped with a touch sensitive LCD display and blue backlighting. The background lighting will switch to power-saving mode after being idle for some time and will appear dark.

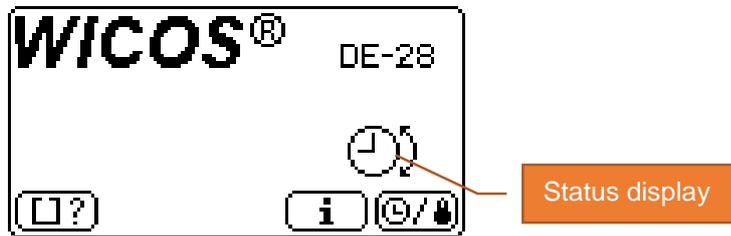
If any key is pressed the display will be restored.

### Operation

Operation is carried out via the touch-sensitive display (touch screen).

The control panel (buttons) is shown in the lowest part of the display.

## 2 Operation of the DE-28-Touch



### 2.1 Status displays

#### Normal operation



This symbol indicates that rooms are being regulated according to the switching times and temperatures as set by you.

#### Setback operation



This symbol indicates that the rooms are being regulated down to the lower of the temperatures set by you.  
(see also Chapter 2.4).

#### Fault



This symbol indicates that a fault has been registered. The exact reason for the fault can be seen on the information display  
(see also Chapter 4).

### 2.2 Switching to set-up mode

Button



You can set the temperatures and switching times for your individual room temperature regulation. By touching the button, you will switch to the settings level.

This will be described in detail in Chapter 3.



## 2.3 Call up information screen

Button



By pressing the button, the display will change to the information display.

This will be described in detail in Chapter 4.

## 2.4 Setback mode

Button



If you have been absent for a longer period of time, you can save heating costs by switching the heating to setback mode.

In this operation mode, the rooms will be regulated down to the lower of the room temperatures set by you.

On your return, the regulator will be switched back to normal operation by pressing the button once again.

The current mode of operation will be displayed as a status on the start page.

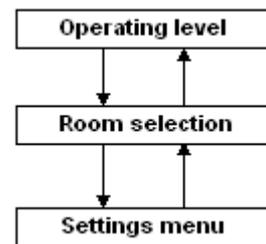
(see Chapter 2.1).



### 3 Change settings

You can set parameters for your individual room regulation separately for each room. For this reason, the settings level consists of two menus.

1. Select room (Chapter 3.1.)
2. Change setting (Chapter 3.2)



#### 3.1 Room selection

Once you have switched to the settings menu, in the *Room selection* menu you can decide for which room you want to change the parameters.



**Note:** The image shown above covering 8 rooms may differ from that displayed on your system. Only the number of room symbols will be shown that correspond to those that are actually present and regulated by our system. The room number will be identical to that displayed on the temperature sensor in the room.

Button



Select room



Confirm room selection → Settings menu (Chapter 3.2)

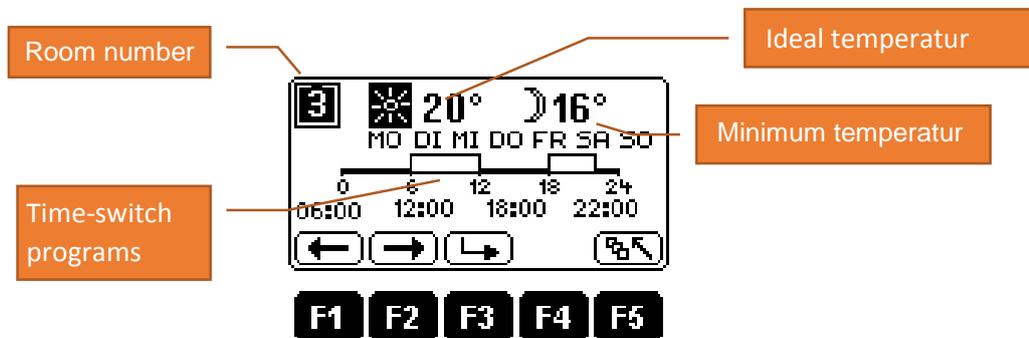


Return to front screen (see also Chapter 2)



### 3.2 Settings menu (temperatur and switching intervals)

In this menu, the ideal temperature, the minimum temperature and the time switch programs are set for the room selected. The applicable room is indicated in the upper left quadrant of the display.



Button



Select desired function.

The applicable function selected will be marked (see illustrations below).



selected function



non-selected function



Confirm function selection



Back to room selection (see also Chapter 3.1)

**Note:**

The regulator is linked to a computer in the central heating system.

If you alternate between the menu functions or save amended settings, the data will be loaded from this computer, or be stored on it.

These processes can take a few seconds. During this time, an hourglass will be shown on the display.



### 3.2.1 Set room temperatur

 **20°** Select the sun symbol by pressing the buttons  and  , until its background becomes dark.

 **20°** Now confirm the selected function using the  button. The temperature reading will be shown as marked and the key functions will have changed.



 **20°** Using the  and  buttons, the room temperature can be set to the desired value.

**Note:** The maximum temperature that can be set will be indicated by the central heating system and will be visible on the information screen. The minimum temperature that can be set is one degree above the minimum temperature.

 **22°** Using the  button, the new setting will be stored.

Using the  button, the process can be aborted without saving.

### 3.2.2 Set minimum temperatur

 **16°** Select the moon symbol by pressing the buttons  and  , until its background becomes dark.

 **16°** Now confirm the selected function using the  button.  
The temperature reading will be shown as marked and the key functions will have changed.

 **16°** Using the  and  buttons, the minimum temperature can be set to the desired value.

**Note:** The minimum temperature that can be set will be indicated by the central heating system and will be visible on the information screen. The maximum temperature that can be set is one degree above room temperature.

 **15°** Using the  button, the new setting will be stored.

Using the  button, the process can be aborted without saving.

### 3.2.3 Set timing programs

Select by pressing the buttons  and  the desired day or part of the week, until its background becomes dark.

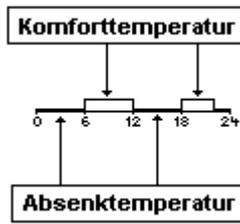
<b>Mo</b>	Time program only for Monday
<b>Tu</b>	Time program only for Tuesday
<b>We</b>	Time program only for Wednesday
<b>Th</b>	Time program only for Thursday
<b>Fr</b>	Time program only for Friday
<b>Sa</b>	Time program only for Saturday
<b>Su</b>	Time program only for Sunday
<b>Mo Tu We Th Fr</b>	Time program for Monday to Friday
<b>Sa So</b>	Time program for Saturday and Sunday
<b>Mo Tu We Th Fr Sa Su</b>	Time program for Monday to Sunday (whole week)

Now confirm your selection using the  button.  
The following display will appear:



The function buttons are programmed with the functions as described below:  
Taste

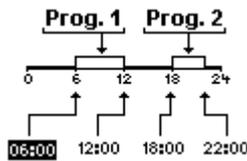
-  Select next switching time
-  Switching time earlier by 30 minutes
-  Switching time later by 30 minutes
-  Save changes
-  Exit editing without saving



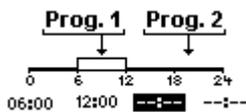
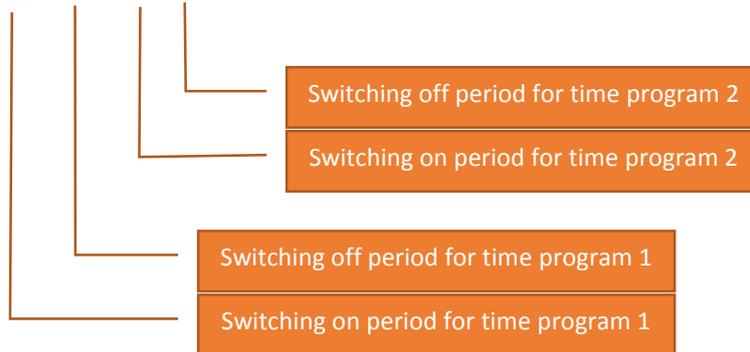
Time programs will be represented by graphics.

As can be seen in the illustration on the left, during the switching on period, the rooms will be regulated to **room temperature** and when switched off will be set to the **minimum temperature**.

For each room, two of these timing programs can be defined per day. The smallest possible switching on period is 30 minutes.



The relationship between the display and the switching times can be seen from the illustration on the left. If you change one of the times, the display will be adjusted accordingly.



If you want to set just one time program, press the  button, until the switching on time for time program 2 has a black background.

Now press the  button, until the display changes to --:-- .

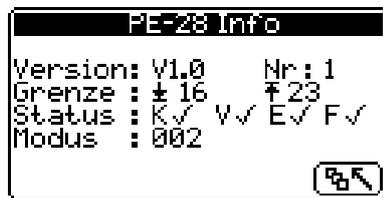
Should you wish to re-activate the second switching time, press the  button.

**Note 1:** If you operate the procedure described above with the setting time for Program 1, both programs will be switched off (setback mode).

**Note 2:** Preheating times need not be considered. That WICOS system this calculated automatically. Thus, the temperature has already been reached at the set time (start control).

In Chapter 6, you will find a table in which you can enter your time programs. This way, you will have a quick overview at any time.

## 4 The information screen



**Version**      Current software version

**Nr.**            Number of the peripheral unit

**Limits**        ↓ Lower limit / minimum temperature setting

                  ↑ Upper limit / maximum temperature setting

Both these limits are set by the heating system.

You can set your limits within these room temperature parameters.

**Status**        C = Communication / Connection to the central heating

V = Valves

I = Inputs

S = Sensors

The ✓ - symbol indicates that everything is in order.

An X indicates an error at the applicable position.

**Mode**            Mode of operation for the DE-28-Touch.

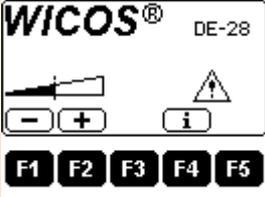
Will be set by FäWa-System AG.



**F5**      Return to front screen (see also Chapter 2)



## 5 Fault-finding

Fault	Possible Cause
<b>Communication</b>	<p>Your single room regulation is controlled by a central computer. Should individual room regulation be no longer addressed by this computer for more than thirty minutes, the latter will switch to emergency operation. Under emergency operation, all rooms will be heated to the temperature set by you (see the image below).</p>  <p>The image shows a WICOS DE-28 thermostat control panel. It features a small display at the top left, a central area with a minus sign (-), a plus sign (+), and an information icon (i), and a bottom row of five function buttons labeled F1 through F5.</p> <ul style="list-style-type: none"> <li data-bbox="450 846 1145 922">  F1 Using this button, you can lower the set temperature by 1°C.         </li> <li data-bbox="450 945 1145 1021">  F2 Using this button, you can raise the set temperature by 1°C.         </li> <li data-bbox="450 1043 1295 1120">  F4 By operating this button, the display will change to the information screen (see also Chapter 3).         </li> </ul>
<b>Valve</b>	<ul style="list-style-type: none"> <li data-bbox="491 1223 1216 1285">• the electrical connection to a valve's drive is interrupted or has a short circuit</li> <li data-bbox="491 1294 794 1326">• a valve drive is faulty</li> </ul>
<b>Input</b>	<ul style="list-style-type: none"> <li data-bbox="491 1366 976 1397">• a sensor or water meter is defective</li> </ul>
<b>Sensor</b>	<ul style="list-style-type: none"> <li data-bbox="491 1438 906 1469">• a temperature sensor is faulty</li> </ul>

Should one of these faults occur, please contact the property management, the concierge or FäWa-System AG.

## 6 Table time program

DE-28 Room setting	Room 1		Room 2		Room 3		Room 4		Room 5		Room 6		Room 7		Room 8	
	On	Off														
MO	Progr. 1	Progr. 2														
TU	Progr. 1	Progr. 2														
WE	Progr. 1	Progr. 2														
TH	Progr. 1	Progr. 2														
FR	Progr. 1	Progr. 2														
SA	Progr. 1	Progr. 2														
SU	Progr. 1	Progr. 2														



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