



# Sauna and steam bath control device

Series FCU5x00

**Instructions for the service menu**

**Instructions for the configuration menu**

**Only for trained service fitters, not for customers!**



**Adhere on all accounts to the safety instructions in the operating manual and installation instructions!**

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## Instructions for the service menu

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**Adhere on all accounts to the safety instructions in the operating manual!**











**Some menus are only available if the system has the matching bath modes or options.**

### Menu: Basic settings

Symbol	Menu (FCU5x00)	Info
	Service menu	Press the symbol to access the service menu. You must enter a PIN for safety reasons. Enter the PIN in the numerical field. Service menu PIN: 2029

### Service menu

Symbol	Menu (FCU5x00)	Info
	Maximum heating time	Approve the max. heating times for the user programs here.  Please adhere to the VDE regulations!
	Drying program	Enter the runtime of the drying program here. In steam baths, the drying program is equivalent to the fan run-on time.  The drying program starts after a humid sauna program (at least 10 min. operation). It is restricted to no more than 2 hours. The fan is switched on for 5 minutes and the temperature adjusted to 82°C. Drying proceeds for the defined time once this temperature has been reached.
	Humidity after temperature (HAT)	If during humidity programs there is condensation on the still cold walls then you can select here whether the humidity is to be started only when the temperature is almost reached. Not available for steam bath.
	Sensor correction	Adjust the sensor for the thermo-hygrometer here. Not for steam baths!  Entering positive values when correcting the sensor will suggest a higher temperature or humidity to the sensor than is the case, i.e. the cabin will be colder (or drier), despite the settings being the same. The temperature corrections acts proportionately from 25°=0% to 110°=100%. Humidity correction is added to the measured value in the range of 10...90% humidity. Note: A positive correction will extend the active period of the evaporator for control units with interval humidity. A negative correction with shorten the active period of the evaporator.
	Water deficiency signal	You can set whether in case of errors (water deficiency), the connected evaporator switches 230V (AC) to the water deficiency input (WM) or cuts the 230V (AC) currently connected. <b>0V</b> = In case of errors, the evaporator disconnects the previous 230V (AC) switched to the water deficiency terminal. <b>230V</b> = In case or errors, the evaporator switches 230V (AC) to the water deficiency terminal.

	Evaporator xp value	Only if " <b>FAN</b> " is released in the configuration. Set to a smaller xp value if the temperature in the steam cabin or the humidity in the sauna cabin is too high. Set to a higher xp value of the target temperature or target humidity is not reached.
 O/I	Allow start times	Allow or block the start times here.  <b>WARNING:</b> According to VDE, the timer must <b>not</b> be released without additional fire protection measures (e.g. guard above the stove to prevent covering). <b>The manufacturer accepts no liability whatsoever for any consequent damage!</b>
 max 45°	IR restriction to max. 45°C	IR restriction to max. 45°C temperature setting (required in Austria).
 O/I	Allow coloured light menu	Allow or block coloured light menus of the coloured light relays are used as option outputs. The menus are always allowed for RYB coloured light.
	Coloured light as the cabin light	The coloured light switches to white if the cabin light is switched on (not in the steam bath).
	Fan level auto	This option means the fan speed will be auto-controlled.
	Fan on at target temperature	Use this menu to set the target menu at which the fan should switch on.
	Factory settings	Use this menu to restore the user and service menu to factory settings. You must enter a PIN for safety reasons. Enter the PIN in the numerical field. Factory settings PIN: 1111
	Operating hours	The service fitter uses this menu to check the operating hours of the cabin and the switch cycles of the most important relays. It is also possible to see how often the drying program did not end correctly (not for steam bath).
	Configuration menu	Press the symbol to access the configuration menu. You must enter a PIN for safety reasons. Enter the PIN in the numerical field. Service menu PIN: 8775

You can obtain the latest version of the option program descriptions on the Internet at  
<http://www.fasel-gmbh.de/wellness/de/content/profibereich>  
 User name: fasel-gmbh Password: fasel-gmbh

## Instructions for the configuration menu


Only for trained service fitters, not for customers!




Adhere on all accounts to the safety instructions in the operating manual!

Some menus are only available if the system has the matching bath modes or options.

### Menu: Basic settings

Symbol	Menu (FCU5x00)	Info
AUTO 	Auto OFF	Use this menu to enable or disable the Auto OFF function. If Auto OFF is active, the device automatically goes into OFF mode after 2 minutes of standby. The control unit cannot be enabled using the start keys on the control unit or the option inputs if it is in OFF mode. WEB-CONTROL is used to end OFF mode, and the unit can then be operated as normal.  <b>The device loses its VDE mark if Auto OFF is disabled, and the manufacturer accepts no liability for the consequent damage!</b>
MST	MST	Maximum target temperature that the user and the drying program must not exceed. The temperature is adjusted by pressing and holding the key.  YES: Custom setting of the maximum temperature. NO: Default value for max. temperature  Not for steam baths!
WAN	WAN	Wall heating system with changed limit values. All stove phases switch ON and OFF together (lightly offset). Not for steam baths!
BG2	BG2	3. Allow temperature sensor as limit sensor. The temperature is adjusted by pressing and holding the key. Not for steam baths!
FHT	FHT	Humidity high temperature: Humidity sauna temperature can be set to max. 80°C at 18% humidity. Only possible with humidistat! Not for steam baths!
FTS	FTS	YES: Humidity temperature sensor not according to EN 60335-2-53, but aggregate sum = 120 . <b>The device therefore loses its VDE mark, and the manufacturer accepts no liability for the consequent damage!</b> NO: Humidity temperature sum based on the curve in EN 60335-2-53 Not for steam baths!
SK2	SK2	Safety contact 2, e.g. stove rocker, switched in series with STB; the program should not be closed in case of interruption, and only a message should be displayed. Not for steam baths!
FAN	FAN	Analogue output 0-10V for "Pro" evaporator to control the evaporator performance.

GRL	GRL	Only in mode SAUNA. The oven phase W remains continuously switched on during the operation as basic load. (On reaching the max. permissible sauna temperature the basic load is also switched off). Not available for steam bath!
IN / OUT	Options Inputs / outputs	Opens the menu for the input / output options To do this, use the cursor keys to navigate through the following menu. Use the back key ← or menu key  to close the menu at any time.
<b>Menu option inputs / outputs</b>		
The following menu items will only be shown if one or several options inputs or outputs were enabled. Refer to the (additional document) for a more detailed description. <b>"Installation instructions for options boards"</b>		
<b>Menu (FCU5x00)</b>		<b>Info</b>
<pre> configuration: 25.04.12 10h changed  only trained fitters are allowed to make modifications here! devi. damage possible </pre>		<p>CAUTION: Device damage is possible! Must only be adjusted by qualified service fitters familiar with the accessory components. Use this menu to adjust the control unit to suit the specific accessory components.</p> <p>The last date of configuration changes is also shown.</p>
<pre> configuration: SM ↓, ▶ assign a feature to an option output  output      xx program number  xx </pre>		<p>Refer to the (additional document) for a more detailed description. <b>"Installation instructions for options boards"</b></p>
<pre> configuration: SM ↓, ▶ assign a feature to an option input  input      xx program number  xx </pre>		<p>Refer to the (additional document) for a more detailed description. <b>"Installation instructions for options boards"</b></p>
<pre> configuration: SM ↓, ▶ Relay contact type select for the inputs NC = normally closed     = opener NO = normally open     = closer </pre>		<p>Use this menu to select the contact switch type for the corresponding option input. NO = Normally open = Closer NC = Normally closed = Opener</p>

**Notes:**