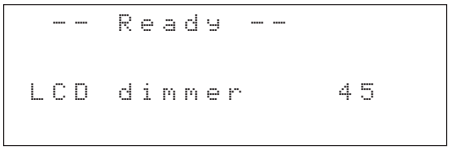
11. Set the common and special functions

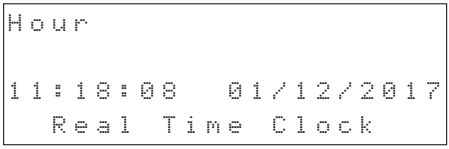
11.1 Display contrast adjustment



11.1.1 Procedure

To increase the contrast, simultaneously press and hold down the **ENTER** and **+** keys.
To decrease the contrast, simultaneously press and hold down the **ENTER** and **-** keys.

11.2 Real-time control parameters (RTC)



11.2.1 Procedure

"Real Time Clock" page

***Note**: the parameters for the internal clock can always be edited.*

1. Press **ENTER** to enter the sub-menu: the parameter **Hour** is displayed.
2. Press **+** (or **-**) to set the value.
3. Press the **ENTER** key to confirm the value and to proceed to the next parameter.
4. After the last parameter has been confirmed:

If you want to...	Then...
save the settings	simultaneously press the **ENTER** and **ESCAPE** keys: a message appears that confirms it has been saved and then the home page of the sub-menu is displayed.
edit a parameter again	press **ENTER**: the parameter Hour is displayed.
cancel setup	press the **ESCAPE** key: a message informs that the previous settings have been restored and the first page of the submenu is displayed.

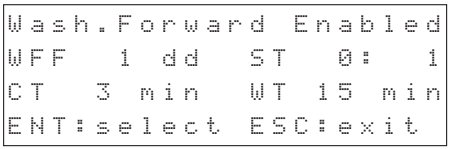
11.2.2 Parameters

Parameter/ page	Description	Unit of measure	Minimum	Maximum
Hour	Hours	h	00	23
Minute	Minutes	min	00	59
Seconds	Seconds	s	00	59

Parameter/ page	Description	Unit of measure	Minimum	Maximum
Day	Day	d	1	31
Month	Month	-	01	12
Year	Year	a	2011	2099

11.3 Timed washing of the heat exchanger

***SW1-1**=On > "Washing" page*



11.3.1 Enabling/disabling options

Options	Description
WASHING Disabled	No washing enabled.
Wash. Enabled	Washing cycle enabled.

11.3.2 Parameters

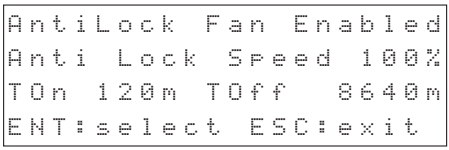
Parameter/ page	Description	Unit of measure	Minimum	Maximum	Default	Settings system
WFF	"Washing" cycle start frequency	d	1	10	1	
ST	Time of the day washing starts	h:min	00:00	23:59	00:01	
CT	Duration of the heat exchanger cooling step	min	1	60	3	
WT	Duration of the washing step	min	1	60	15	

11.3.3 To learn more

Important to know	See
Operation	"Timed washing of the heat exchanger" on page 48.
Procedure	"Procedure for setting the special functions" on page 80.

11.4 Fan anti-locking

***SW1-1**=On > "Anti Lock Fan" page*



11.4.1 Enabling/disabling options

Options	Description
Anti Lock Fan Disabled	Function disabled.
Anti Lock Fan Enabled	Function enabled.

11.4.2 Parameters

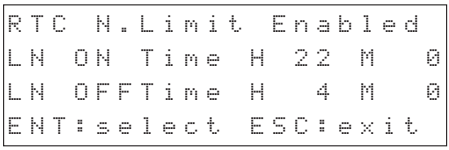
Parameter/ page	Description	Unit of measure	Minimum	Maximum	Default	Settings system
Anti Lock Speed	Voltage step selected during the operating period	-	1	6	1	
TOn	Active period duration	min	1	999	120	
TOff	Rest period duration	min	1	60000	8640	

11.4.3 To learn more

Important to know	See
Operation	"Fan anti-locking" on page 48.
Procedure	"Procedure for setting the special functions" on page 80.

11.5 Night limits for speed using internal clock

SW1-1=*On > "RTC Night Limit" page*



11.5.1 Enabling/disabling options

Options	Description
RTC Night Limit Disabled	Function disabled.
RTC Night Limit Enabled	Function enabled.

11.5.2 Parameters

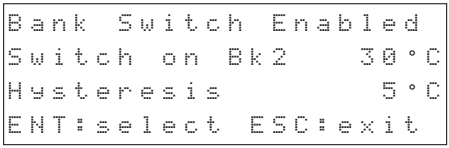
Parameter/ page	Description	Unit of measure	Minimum	Maximum	Default	Settings system
LN ON Time	Time for activation of the night limit	h:min	00:01	23:59	22:00	
LN OFF Time	Time for deactivation of the night limit	h:min	00:01	23:59	04:00	

11.5.3 To learn more

Important to know	See
Operation	"Night limits for speed using internal clock" on page 49.
Procedure	"Procedure for setting the special functions" on page 80.

11.6 Switching of setpoint following the ambient temperature from IN3 (Bank Switch)

SW1-1=*On*
> ***C6*** = = ***Nothing enabled*** *(default)*
> ***Bank switch*** = ***Enabled***



11.6.1 Enabling/disabling options

Options	Description
Bank Switch Disabled	Function disabled.
Bank Switch Enabled	Function enabled.

11.6.2 Parameters

Parameter/ page	Description	Unit of measure	Minimum	Maximum	Default	Settings system
Switch on Bk2	Switching temperature from Set 1 to Set 2	°C	-10	80	30	
Hysteresis	Hysteresis on **Switch on Bk2** value	°C	3	20	5	

11.6.3 To learn more

Important to know	See
Operation	"Switching of setpoint following the ambient temperature from IN3 (Bank Switch)" on page 50.
Procedure	"Procedure for setting the special functions" on page 80.

11.7 Adjustment of external setpoint with 0-10 V signal from IN3

SW1-1=*On*
> ***C6*** = ***SP from IN3***

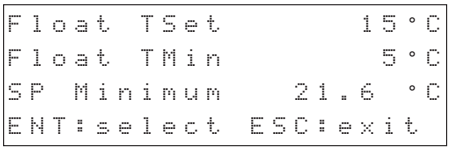
Note*: with this C6 setting, the menu item* ***Bank Switch*** *is not visible.*

11.7.1 To learn more

Important to know	See
Operation	"Switching of setpoint following the ambient temperature from IN3 (Bank Switch)" on page 50.
Procedure	"Edit any parameter" on page 73.

11.8 Adjustment of the setpoint following the ambient temperature from IN3 (Floating SP)

SW1-1=*On* > *"Floating SetPoint" page and* ***C6*** = ***Floating SP***
>***C6*** = ***Floating SP***
> ***Floating SetPoint***



11.8.1 Procedure

NOTICE*: function enabled only with parameter* ***4: SETUP*** > ***C6*** = ***Floating SP****.*

1. Scroll through the menu using the **+** or **-** buttons to the **Floating Setpoint** submenu.
2. Press **ENTER** to enter the submenu: the parameters **FloatSP Tset**, **FloatSP Tmin**, and **SPMinimum** are displayed
3. Press the **ENTER** key and then the **+** or **-** key to edit the parameter value as needed.
4. Simultaneously press the **ENTER** + **ESCAPE** keys to confirm the value and to proceed to the next parameter.
5. After the last parameter has been confirmed, it returns to the first page of the submenu.

11.8.2 Parameters

Parameter/ page	Description	Unit of measure	Minimum	Maximum	Default	Configuration	Settings system
FloatSP TSet	Upper temperature limit to activate the function	°C	-15.0	+40.0	15 °C	All	
FloatSP TMin	Lower temperature limit to activate the function	°C	-15.0	+40.0	5 °C	All	
SPMinimum	Minimum value that the setpoint can have	mA	3.9	19.9	10.0	rPr420	
		bar	0.0	14.9	6.9	rPr015	
		bar	0.0	24.9	10.8	rPr025	
		bar	0.0	29.8	9.7	rPr030	
		bar	0.0	44.8	14.0	rPr045	
		V	0.5	5.0	1.9	rUu-05	
		bar	0.0	33.6	9.7	rPu030	
		V	1.0	10.0	4.0	rUu010	
		°C	-17.5	+94.5	21.6	rtE-01	
		°C	-17.5	+94.5	21.6	rtE-02	

11.8.3 To learn more

Important to know	See
Operation	"Switching of setpoint following the ambient temperature from IN3 (Bank Switch)" on page 50.

11.9 Input Slave Safety mode from IN3

SW1-1=*On*
> ***C6*** = ***Slave Safety***

Note*: with this C6 setting, the menu item* ***Bank Switch*** *is not visible.*

11.9.1 To learn more

Important to know	See
Operation	"Input Slave Safety mode from IN3" on page 53.
Procedure	"Edit any parameter" on page 73.

11.10 Procedure for setting the special functions

11.10.1 Procedure

SW1-1=*On* > ***ESCAPE***+***ENTER***

1. Scroll through the menu using the **+** or **-** buttons to submenu of the desired function.
2. Press **ENTER** to select enter the submenu.
3. Press **+** (or **-**) to scroll through the enabling/disabling options.
4. Press the **ENTER** key and then the **+** or **-** key to set the first parameter.

   Note*: the parameter to be edited is described in the first row.*

5. Press the **ENTER** key to confirm the value and to proceed to the next parameter.
6. After the last parameter has been confirmed:

If you want to...	Then...
save the settings	press the **ENTER** key and then at the same time **ESCAPE** and **ENTER**: a message appears that confirms it has been saved and then the home page of the submenu is displayed.
edit a parameter again	press the **ENTER** key: the first parameter can be edited again or the function can be enabled/disabled.
cancel setup	press the **ESCAPE** key: a message informs that the previous settings have been restored and the first page of the submenu is displayed.