Quick-Guide for BIOBASIC Software Version 3.0

Revision 003 – 5th January 2023 – Build on Systemvars 94.164

GRAM

Biostorage you can depend on

Quick guide for BIOBASIC software version 3.0

Short cuts

Using the key-pad, functions is accessed or activated.

Key combination	Time:	Function:	Key combination	Time:	Function:
(power)	> 3 sec.	Switches product On or Off (Stand-by)	(up)		Navigates up in a menu
(set point)	> 3 sec.	Changing set point	(down)		Navigates down in a menu
(alarm)	> 6 sec.	Creates access to alarm settings	(check) + (power)		Starts or stops manually a defrosting cycle.
(settings)	> 6 sec.	Creates access to product settings	(mute) + (power)		Key pad lock on/off.
(mute)	-	Mutes an visual and acoustic alarm	(check) + (mute) + (set point)	> 6 sec.	Re-setting back to default.
			(up) + (down)	> 3 sek.	Reset alarm history

Changing a product setting

At a change in control parameters the menu enters by pressing key pads as shown in the table above. The values changed with the keys (up) and (down). The new setting is saved by pressing the key (check). Leave menu by key (settings).

Alarm settings

Temperature- and door alarms is triggering an acoustic and visual alarm followed by triggering the potential free alarm output. With a code in display, the cause can be determined.

Alarm Menu access			
(alarm) > 6 sec.	⌐		
Alarm setting	HL	[° C]	Setting the upper alarm limit. At alarm the display is showing: [**A2**].
	LL	[° C]	Setting the lower alarm limit. At alarm the display is showing: [**A3**].
	Hd	[min.]	Time delay for upper alarm limit.
	Ld	[min.]	Time delay for lower alarm limit.
	dA	On/off	Activation of door alarm [1=on / 0=off]. At alarm the display is showing: [**A1**].
	dAd	[min.]	Time delay for door alarm.
	bU	On/off	Activation of buzzer [1=on / 0=off]. The buzzer sounds at alarms [**A1**], [**A2**], [**A3**].
The alarm:		**Text in display and description:**	
Alarm messages/codes from above	A1	Door alarm is triggered by the settings dA and dAd.	
	A2	Alarm code triggered by a too hot temperature associated setting HL.	
	A3	Alarm code triggered by a too cold temperature associated setting LL.	
Symbol for open door	-0-	When the door opens the symbol lights up. For a too long open door this will trigger the alarm **[A1]**.	

Product settings and test features

Menu for the following: Settings for the defrost function, access to the test program of relay outputs and external components, as well as control of temperature measurements. To check the relay outputs and connected external components, select the menu item [tEr] and then press the (check) key. Each relay output can be activated individually by pressing the (check) key. When the display shows [on], the external component is supplied with power. Stop the test with the (settings) key.

Product setting				
(settings) > 6 sec.	⌐			
	CA		[K]	Offset adjustment on A-sensor. Cabinet sensor
	d1			Numbers of defrosting pr. day.
	d2		[°C]	Defrosting stop temperature measured in the evaporator.
	LI			On / Off for light (not in use yet).
	tEr	⌐		Access for test program to relay outputs.
		tC	On/off	Control of compressor and condenser fan.
		tF	On/off	Control of evaporator fan.
		td	On/off	Control of defrosting heating element. Warning: The heating element becomes very hot. **Danger**!
		tL	On/off	Control of light.
		tA	On/off	Control of the potential free relay out-put.
		tdP	On/off	All LED's in the display will lights up for 1 sec. followed by the software revision number.
	P-A		[°C]	The current cabinet/room sensor measuring is displayed.
	P-b		[°C]	The current evaporator sensor measuring is displayed.

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