

English

Quantor MiniChilly

This page is made to support users in understanding the **Eliwell EWPlus961** controller unit installed on the Quantor MiniChilly models sold by Brewtools.

Current models

7712969 – MiniChilly 03, 300W

7712970 – MiniChilly 09, 900W

7712971 – MiniChilly 17, 1.7kW



EWPlus 961

The controller ships with a default configuration based on the manufacturers best practice. Since the MiniChilly can be used with clean water as well as glycol mixture, it might be relevant to the user to change the lower temperature limit from -1°C to -6°C. The description below explains how to do it.

How to change the lower temperature limit from -1°C to -6°C

Press **set** for 5 seconds until PA1 appears.

set Press x 1

Use **↑** or **↓** to set code 135.

set Press x 1

Press  or  to select parameter LSE.

 Press x 1

Press  or  to set -6°C.

 Press x 1

 Press x 1

Parameter table

The controller has a lot more configuration, however it is not recommended to change them unless you understand the potential consequences of it. However, it may be useful if you want to verify the settings are correct.

Parameter	Description	Default
SEt	Temperature Setpoint.	
dF1	Relay compressor tripping differential. The compressor stops on reaching the Setpoint value (as indicated by the adjustment probe), and restarts at temperature value equal to the Setpoint plus the value of the differential. NOTE: dF1 ≠ 0.	1
HSE	Maximum value that can be assigned to the setpoint.	10
LSE	Minimum value that can be assigned to the setpoint.	-1
Ont	Compressor activation time in the event of inoperable probe. <ul style="list-style-type: none"> • If OFt=1 and Ont=0, the compressor is always off. • If OFt=1 and Ont>0 it operated in duty cycle mode. 	0
OFt	Compressor deactivation time if probe is inoperable. <ul style="list-style-type: none"> • If Ont=1 and OFt=0, the compressor is always on. • If Ont=1 and OFt>0 it operated in duty cycle mode. 	0
dOn	Delay time in activating the compressor relay after switch-on of instrument.	1
dOF	Delay after switch-off; the indicated time must elapse between switch-off of the compressor relay and the subsequent switch-on.	1
dbi	Delay between switch-on; the indicated time must elapse between two subsequent switch-on of the compressor.	1
Od0	Delay time in activating the outputs after switch-on of the instrument or after a power outage.	1
Att	Allow you to select if the parameters HAL and LAL will have absolute (Att =0) or relative (Att =1) value.	0
AFd	Alarm differential.	2
HAL	Temperature value (in relative value) which if exceeded in an upward direction triggers the activation of the alarm signal.	30
LAL	Temperature value (in relative value) which if exceeded in a downward direction, triggers the activation of the alarm signal.	-7
PA0	Alarm exclusion time after instrument switch on, after a power outage.	1

tA0	Temperature alarm signal delay time.	5
L0C	LOCK. Setpoint change shutdown. There is still the possibility to enter into parameters programming and modify these, including the status of this parameter to permit keyboard shutdown. n (0) = No; y (1) = Yes.	n
PS1	Password 1. When enabled (PS1 ≠ 0) it constitutes the access key for level 1 parameters.	65
PS2	Password 2. When enabled (PS2 ≠ 0) it constitutes the access key for level 2 parameters.	0
ndt	View with decimal point. n (0) = No; y (1) = Yes (display with decimal).	n
dr0	Select °C or °F for displaying the temperature read by the thermostat probe. (0 = °C, 1 = °F). NOTE: the switch between °C and °F DO NOT modify setpoint, differential, etc. (for example set=10 °C become 10 °F).	0
ddd	Selection of type of value to be displayed. 0 = Setpoint; 1 = Pb1 probe; 2-3 = Not used.	0
H41	Pb1 present. n (0) = Not present; y (1) = Present.	y
H50	Unknown	0