= $\hat{\boldsymbol{V}}$ - EVF815-Split controller for blast chillers (which can be integrated into the unit and with user interface having capacitive push buttons)



Read this document carefulty beforo installing and using the
device and follow an the ud adtional information keep this
 For further information consult the "Instaler manual:
 $1 \begin{aligned} & 10 \\ & 1\end{aligned}$

 do not instal the device close to heating surrces (heaters, hot ai ducts, etc.). devices naving biq magnetos

 be at a distance such that they do not compromise the
safety distances
make sure the display is perfectly adherent to the methmake sure the display is perfectly adherent to the meth
acrylate possible contacts with the electrical parts must be ensured by a correct instalation of the device; all the parts can not remove them if not by using a tool.
$\frac{2}{2.1} \quad$ ELECTRICAL CONNECTION
${ }^{2.1}$ Additional information for electrical connection do not operate on the terminal blocks of the device using
electrica or pneumatic screwers If the device has been moved from a cold location to
warm one, the humidity could condense on the inside wait about an hour before supplying
 quency and the electrical power of the device correspon
to those of the local power supply; look at chapter "TEC ${ }^{\text {NICCAL DATA" }}$
disconnect the power supply of the device before servic
do not use the device as safety device
for the repairs and for information
for the repairs and for information about the device please
3 DESCRIPTION
3 Bescripion

| Part | Meaning |
| :---: | :--- |
| 1 | serial |
| 2 | port with MODBUS com munication protocol | | port to communicate with the user interface (power |
| :--- |
| supply and signal) |

$4 \quad$ USER INTERFACE
4.1
There are the filinary inving operatition status:
rea are the following operating status:
status "off" (the device is not powered)
satus "stand-by" (the device is powered butiti is switched
off) "
status "on" (the device is powered, it is switched on and it is waiting an operating cycle is started)
status "run" (the device is powered, it is switched on and an operating cycle is running).
Hereinafter, "switching on the device" means moving from
status "stand-by" to status "on" and "switching off the status "stand-by" to status "on" and "switthing off the de
vice" means moving from status "on" to status "stand-by". V.2 means mitching from status "on" to so
Oniter
Operat as

Operate as follows:
Make sure the keyboard is not locked and no procedure Press and hold button START / STOP 1 s: LED (1) will
switch on / off. 4.3 The display

During status "off" and during status "stand-by" the display is
switched off
switched off
During statu
During status "on" the display shows the room tem
During status "run"the device will work as follows if a temperature controleded blast chilling or or a temperae controlled blast freezing is running, the dispoplay will show the temperature read by the needle probe If a time controlled blast chilling or a a time controlled
blast freezing is running, the display will show the count blast freezing is running, the display will show the count
cown of their duration f a storing is running, the display will show the room
$4.4 \stackrel{\text { temperature. }}{\text { Showing }}$
Showing the room temperature
Operate as follows:
Make sure the keyboard is not locked and no procedure Press and hold button Down 1 s : the display will show e first available label. Press and release button UP or button Down to select
"Pb1".

3.2 Description control module

will switch on / off.
4.9 Locking / unlocking the keyboard
to lock the keyboard operate as follows

1. Make sure no procedure is runing.
2. Press and hold buttor DOWN and button START / STOP 1s.s the ilisplay will show "Loc" 1 s.
3. Make sure no procedure is running.
4. Press and hold button DOWN and button START / STOP
$10^{1 \text { s: the display will show "UnL" } 1 \mathrm{~s} \text {. }}$ silencing the buzzer
4.10 Silencing
Operate as follows:
5. 

Make sure no procedure is running.
5 OPESATION
To start the cycle operate as follows:
Make sure the device is is status
Make sure the keyboard is not locked and no procedure
is running.
Press and release button BLAST CHILIING: LED * will
flash
flash. 1 According to the model, the display will show the work-
ing setpoint during the blast chilling or the blast chilling
cut off temperature.
Press and release button UP or button Down in 15 s to Modify these values. remain switched on and it will be started the test for the verification of the proper insertion of the needle probe.
If the test is successully completed, the cycle will be
5.2 If the test

If the test is not success
started time controlled
To stop the cycle onearate at a follows:
6. Press and release eutton START
5.2 Press and release button STTRT / STO
Hard blast chilling and storing
5. 2 tart thard cycle operate as follows:
T. Make sure the device is in stas

Make sure the device is in status "on".
Make sure the keyboard is not locked and no procedure
is running
is running.
Press and reease button BLAST CHILING: LED
Press and release button HARD / SOFT: LED HARD will
flash. According to the model, the display will show the work ing setpoint during the blast chilling or the blast chilling cut off temperature.
Press and release bution
Press and release button UP or button Down in 15 s to Press and release button START / STOP: LED and LED HARD will firmly remain switched on and it will be starte the test for the
needi e probe.
If the test is successfully completed, the cycle will be
started. started.
S. Ifthe est is not successfu
started time controlled. started time controlled. To stop the cycle operate as follows:
Press and release button START / STO.
5.3 Blast freezing and storing
To start the cycle operate as follows:

To start the cycle operate as follows:
Make sure the device is in status "on".
Make sure the keyboard is not locked and no procedure
is running
is running.
Press and release button BLAST FREEZING: LED为为 and LED HARD will flash
A According to the model, the display will show the working setpoint during the blast freezing or the blast freez
ing cut off temperature. Press and release button UP or button Down in 15 s to
modify these values. modify these values.

* and LED HARD will will be started ARD will firmly remain switched on and insertion of the needle probe.
1 If the test
started.
5.2 If the test is sures 5.2 started time controlled.

Started time controled.
To stop the cycle operate as follows:
6. Press and release button STTAT
6. Press and release e untan START / STOP
5.4
Soft blast frezing and storing

Soft blast freezing and sto
5. start the cycle operate as follows:
start the cycle operate as follows:
Make sure the device is in status "
Make sure
Sress and release button BLAST FREEZING: LED , LED *) and LED HARD will flash.

1 According to ing setpoint during the blast freezing or the blast freez-
5.2 Press and release button UP or button Down in 15 s
6. Press and release button START / STOP: LED \% and LED sed will firmly remain switched on and it will be
sertion of the needle probe.
6.1 If the test is successfuly completed, the cycle will be
6.2 started. the test is not successfully completed, the cycle will be started time controlled.
To stop the cycle operate as follows:
7. Press and release button START/
7.
5.5 Press and release button START/ Starting the precooling
T.5 Start the receoling operate as follows:
T. Make sure the device is in staus "ont

1. Make sure the device is in status "on
2. Make sure no procedure is runing.
3. Make sure no procedure is running.
4. Press and hold button BLAST CHILIING 1 s : LED go
will flash. will flash.
To stop the precooling operate as follows:
To Stop the precooling operate as follows:
5. Press and hold button BLAST CHILLING 1 s or start an
operating cycle. 5.6 operating cycle.

Switching on the UV light for the cycle of
sterilization steriization
Operate as follows:
Make sue

1. Make sure the function is enabled.
. Make sure the device is in status "on" and the door is Make, or the door switch input is not active. dure is running.
 $5.7 \quad \begin{aligned} & \text { will switch on. } \\ & \text { Needle probe heating }\end{aligned}$
5.7 Needile pro
operate as follows:

Pperate ase foilows:

1. Make the function is enabled
2. 
3. Make sure the devicice is in in staus. "on" or a storing is
running and the door is open, or the door switch input 3. Manning and $\begin{gathered}\text { is active. } \\ \text { 3ure }\end{gathered}$

- Press and hold button BLAST FREEZING 1 s : LED w

SIGNALINGS AND INDICATIONS
6.1 Signalings


* LED blast chilling

LED blast freezing
LED hard blast chilling / blast freezing
LeD temperaure controlled blast chiling / temperature controlled blast freezing
LeD time controled blast chiling / time control-
led blast freezine ${ }^{\text {led blast freezing }}$ LED storing
LED defrost
$+$

| AUX LL |
| :--- |
| HACCP |
| ${ }^{\circ} \mathrm{C}$ |
| Le |



| min | LED minutes |
| :---: | :--- |
| II | LED on / stand-by |


| 6.2 |
| :---: |
| code |
| Codications |
| Meaning |


| Code | Meaning |
| :---: | :---: | :---: |
| Loc | The keyboard is locked; look at paragraph "Lock- |
| ing / unlocking the |  |


$\begin{array}{ll}7 & \text { ALARMS } \\ 7.1 & \text { Alarms }\end{array}$
Code Marms
tiME Alaaring temperature controlled blast chiling or tem-: perature controlled blast freezing not concluded within the maximum duration (HACCP alarm)

| AL |
| :--- |
| AH |
| id |
| HP |


| AH |
| :--- |
| id |
| HP |
| PF |


| HP |
| :--- | :--- |
| HP |
| PF |
| ESt |

High pressure alarm
LAarm of power supply alarm (HACCC alarm)

|  | not successfilly completed |
| :--- | :--- |

r
Aarm firmwares of the configuration parameters
contaied in EVKEY not coinciding with that of
the device
d Ahe devive

| Erd |
| :--- |
| Alarm uplood of the configuration parameters not |
| successfully completed |



