

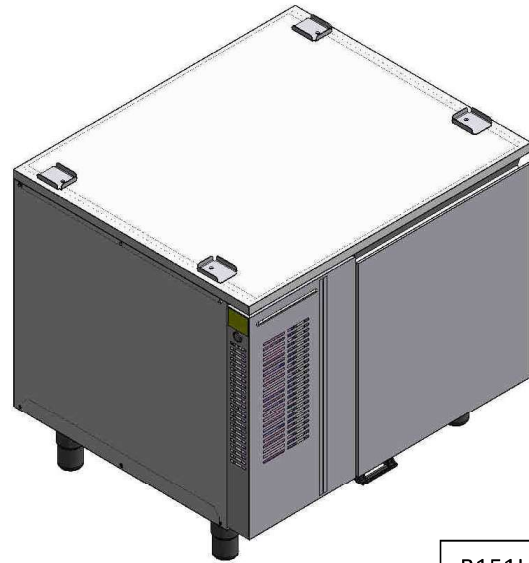
SERVICE MANUAL

FOR

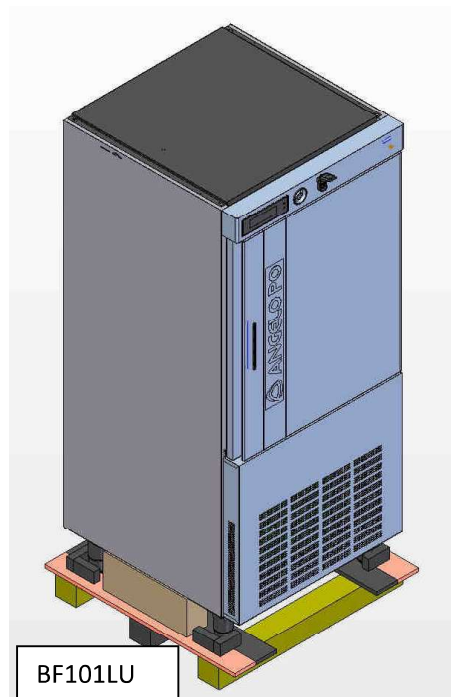
USA BLAST CHILLERS



BF51MU



B151HU



BF101LU

4. ALLARMI SCHEDA, PARAMETRI

4.1 ALARMS

The presence of an active alarm is signalled by the buzzer and the display shows the event alternating with the screen showing the process in progress. The RGB bar turns yellow.

The alarms are recorded on a list.

The presence of an alarm stored on the list is indicated by the symbol .

You can record up to a maximum of 42 alarms. Any additional event overwrites the oldest one.

1. Select MENU by rotating the knob



2. Press the knob to enter section MENU



3. Select SERVICE by rotating the knob



4. Press the knob to enter section SERVICE



5. Select ALARMS by rotating the knob



6. Press the knob to view the list ALARMS

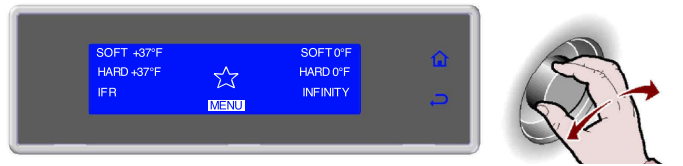


7. View the alarms list by rotating the knob



4.2 RESET ALARMS

1. Select MENU by rotating the knob



2. Press the knob to enter section MENU



3. Select SERVICE by rotating the knob



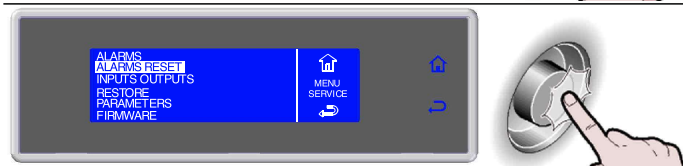
4. Press the knob to enter section SERVICE



5. Select ALARMS RESET by rotating the knob



6. Press the knob to enter section ALARMS RESET

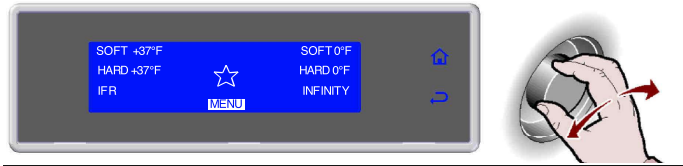


7. Wait



4.3 INPUT/OUTPUT LIST AND PROCESS PARAMETERS

1. Select MENU by rotating the knob



2. Press the knob to enter section MENU



3. Select SERVICE by rotating the knob



4. Press the knob to enter section SERVICE



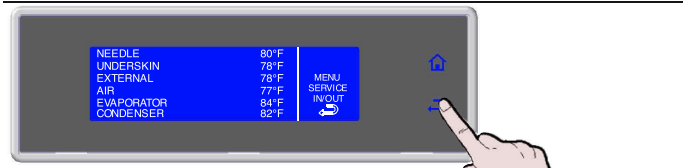
5. Select INPUTS OUTPUTS by rotating the knob



6. Press the knob to view the list INPUTS OUTPUTS



7. Select  to exit from the view



Press HOME and BACK button for 5 seconds to reach the input/output list during a cycle

NAME	DESCRIPTION	UNIT OF MEASUREMENT/VALUE
CORE	Temperature measured from the needle probe, in the CORE area	°C / °F
UNDERSKIN	Temperature measured from the needle probe, in the underskin area	°C / °F
EXTERNAL	Temperature measured from the needle probe, in the external area	°C / °F
AIR	Temperature read by the cell probe (NTC type)	°C / °F
EVAPORATOR	Temperature read by the evaporator probe (NTC type)	°C / °F
CONDENSER	Temperature read by the condenser probe (NTC type)	°C / °F
ELECTRICAL PANEL	Temperature read by the electrical panel probe (NTC type)	°C / °F
DOOR MICROSWITCH	Door status (open/closed)	0 - 1
HP PRESSURE SWITCH	Pressure switch operating condition	0 - 1
COMPRESSOR THERMAL	Compressor thermal relay conditions	0 - 1
EVAP FAN 1 PART.	Percentage of partialization on the evaporator fan	40 – 100 %
COMPRESSOR RELAY	Compressor relay conditions	0 - 1
EVAP FAN RELAY	Evaporator fan relay conditions	0 - 1
DEFROST RELAY	Defrosting cycle relay conditions	0 - 1
CONDENSER FAN RELAY	Condenser fan relay conditions	0 - 1
DOOR RESISTANCE RELAY	Door resistance relay conditions	0 - 1
TRAY RESISTANCE RELAY	Tray resistance relay conditions	0 - 1
SANITATION RELAY	Sanitation cycle relay conditions	0 - 1
ALARM RELAY	Alarm signal relay conditions	0 - 1
NEEDLE RESISTANCE RELAY	Needle resistance relay conditions	0 - 1

4.4 RESTORE

This function restores the original parameters.

ATTENTION: in case of use of this function as a user, contact the manufacturer for the exact settings of the configuration parameters.

1. Select MENU by rotating the knob



2. Press the knob to enter section MENU



3. Select SERVICE by rotating the knob



4. Press the knob to enter section SERVICE



5. Select RESTORE by rotating the knob



6. Press the knob to enter section RESTORE



7. Enter the password by turning the knob and press to confirm the value and move to the next one until ENTER is selected

Request the password from SERVICE



8. Press the knob to confirm and enter section RESTORE



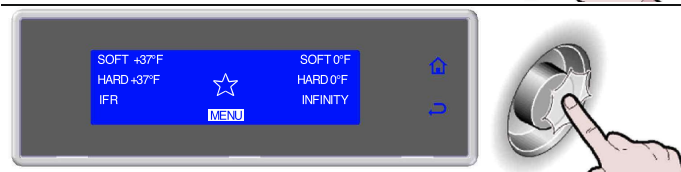
4.5 PARAMETERS

ATTENTION: in case of use of this function as a user, contact the manufacturer.

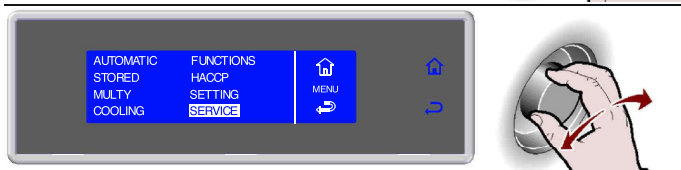
1. Select MENU by rotating the knob



2. Press the knob to enter section MENU



3. Select SERVICE by rotating the knob



4. Press the knob to enter section SERVICE



5. Select PARAMETERS by rotating the knob



6. Press the knob to enter section PARAMETERS



7. Enter the password by turning the knob and press to confirm the value and move to the next one until ENTER is selected



Request the password from SERVICE

8. Press the knob to confirm and enter section PARAMETERS



Service Password - 1965

PARAMETERS LIST

Param.	Description	Default	min	MAX
GENERAL CONFIGURATION AND INPUTS				
S01	AIR PROBE OFFSET	0.0 °F	-18.0 °F	+18.0 °F
S02	DEFROST PROBE ENABLING (0 = disabled, 1 = enabled)	1	0	1
S03	CONDENSER PROBE ENABLING (0 = disabled, 1 = enabled)	1	0	1
S04	MULTIPOINT CORE PROBE ENABLING (0 = disabled, 1 = enabled 1 probe, 2 = enabled 3 probes, 3 = enabled 5 probes)	2	0	3
S05	MULTIPOINT S1 PROBE OFFSET	0.0 °F	-18.0 °F	+18.0 °F
S06	MULTIPOINT S2 PROBE OFFSET	0.0 °F	-18.0 °F	+18.0 °F
S07	MULTIPOINT S3 PROBE OFFSET	0.0 °F	-18.0 °F	+18.0 °F
S08	MULTIPOINT S4 PROBE OFFSET	0.0 °F	-18.0 °F	+18.0 °F
S09	MULTIPOINT S5 PROBE OFFSET	0.0 °F	-18.0 °F	+18.0 °F
S10	MONOPOINT CORE 1 PROBE ENABLING (0 = disabled, 1 = enabled)	0	0	1
S11	MONOPOINT CORE1 PROBE OFFSET	0.0 °F	-18.0 °F	+18.0 °F
S12	MONOPOINT CORE 2 PROBE ENABLING (0 = disabled, 1 = enabled)	0	0	1
S13	MONOPOINT CORE2 PROBE OFFSET	0.0 °F	-18.0 °F	+18.0 °F
S14	HUMIDITY PROBE ENABLING (0 = disabled, 1 = enabled)	0	0	1
S15	HUMIDITY PROBE OFFSET	0%	-50%	+50%
S16	DOOR MICRO ENABLING (0 = disabled, 1 = enabled)	1	0	1
S17	DOOR MICRO POLARITY (0 = open contact, 1= closed contact)	1	0	1
S18	DOOR ALARM DELAY (0 = disabled)	120 s	0 s	300 s
S19	HIGH PRESSURE INPUT ENABLING (0 = disabled, 1 = enabled)	1	0	1
S20	HIGH PRESSURE INPUT POLARITY (0 = open contact, 1= closed contact)	1	0	1
S21	HIGH PRESSURE INPUT ALARM DELAY (0 = disabled)	5 s	0 s	60 s
S22	LOW PRESSURE INPUT ENABLING (0 = disabled, 1 = enabled)	0	0	1
S23	LOW PRESSURE INPUT POLARITY (0 = open contact, 1= closed contact)	1	0	1
S24	LOW PRESSURE INPUT ALARM DELAY (0 = disabled)	5 s	0 s	60 s
S25	COMP. OVERLOAD INPUT ENABLING (0 = disabled, 1 = enabled)	1	0	1
S26	COMP. OVERLOAD INPUT POLARITY (0 = open contact, 1= closed contact)	0	0	1
S27	COMP. OVERLOAD ALARM DELAY (0 = disabled)	5 s	0 s	60 s
S28	WATER LEVEL INPUT ENABLING (0 = disabled, 1 = enabled)	0	0	1
S29	WATER LEVEL INPUT POLARITY (0 = open contact, 1= closed contact)	0	0	1
S30	WATER LEVEL ALARM DELAY (0 = disabled)	5 s	0 s	60 s
S31	MULTIPOINT CORE TEST ENABLING (0 = disabled, 1 = enabled)	1	0	1
S32	MULTIPOINT CORE TEMPERATURE TEST	13 °F	0 °F	+108 °F
S33	MULTIPOINT CORE TIME TEST	96 s	0 s	300 s
S34	FREEZING CYCLES ENABLING (0 = disabled, 1 = enabled)	1	0	1
S35	CYCLE START TIMER TEMPERATURE SET	158 °F	32 °F	+210 °F
S36	TEMPERATURE UNIT MEASURE (0 = Celsius; 1 = Fahrenheit)	1	0	1
S37	BUZZER ENABLING (0 = disabled, 1 = enabled)	1	0	1
S38	BUZZER TIMING	10 s	0 s	60 s
S39	ELECTRICAL BOX PROBE ENABLING (0 = disabled, 1 = enabled)	1	0	1
S40	SMART ON ENABLING	1	0	1
S41	EVOLVED FUNCTIONS ENABLING:Leavening / defrost / Yogurt box / Probe heating/ USB data download (0 = disabled, 1 = enabled; if S41 = 0, default values for par. D01, D02, D04, D05, D06, D09, F05 will automatically change)	1	0	1

BLAST CHILLER SERVICE MANUAL: BOARD ALARMS-PARAMETERS

Param.	Description	Default	min	MAX
POSITIVE CYCLE AND STORAGE				
P01	POSITIVE SOFT AIR SET	34 °F	-44 °F	+86 °F
P02	POSITIVE HARD AIR SET	5 °F	-44 °F	+86 °F
P03	POSITIVE SOFT CORE SET	+37 °F	-44 °F	+86 °F
P04	POSITIVE HARD CORE SET	+86 °F	-44 °F	+86 °F
P05	POSITIVE SOFT CYCLE TIME	90 min	0 min	900 min
P06	POSITIVE HARD PHASE TIME	40 min	0 min	900 min
P07	POSITIVE SOFT PHASE TIME	50 min	0 min	900 min
P08	POSITIVE STORAGE AIR SET	+36 °F	-44 °F	+86 °F
P09	POSITIVE SOFT FAN SPEED	70 %	40 %	100 %
P10	POSITIVE HARD FAN SPEED	100 %	40 %	100 %
P11	POSITIVE STORAGE FAN SPEED	50 %	40 %	100 %
NEGATIVE CYCLE AND STORAGE				
N01	NEGATIVE SOFT AIR SET	34 °F	-44 °F	+86 °F
N02	NEGATIVE HARD AIR SET	-40 °F	-44 °F	+86 °F
N03	NEGATIVE HARD CORE SET	0 °F	-44 °F	+86 °F
N04	NEGATIVE SOFT CORE SET	+59 °F	-44 °F	+86 °F
N05	NEGATIVE SOFT PHASE TIME	30 min	0 min	900 min
N06	NEGATIVE HARD PHASE TIME	210 min	0 min	900 min
N07	NEGATIVE HARD CYCLE TIME	240 min	0 min	900 min
N08	NEGATIVE STORAGE AIR SET	-4 °F	-44 °F	+86 °F
N09	NEGATIVE SOFT FAN SPEED	70 %	40 %	100 %
N10	NEGATIVE HARD FAN SPEED	100 %	40 %	100 %
N11	NEGATIVE STORAGE FAN SPEED	50 %	40 %	100 %
DEFROST MANAGEMENT				
D01	STORAGE DEFROST INTERVAL (0 = disabled; if S41 = 0 then D01=0 and it can not be modified)	8 ore	0 ore	24 ore
D02	END DEFROST TEMPERATURE (referred to the evaporator temperature; if S41 = 0 then D02 = +15 but it can be modified)	+46 °F	-40 °F	+104 °F
D03	MAX DEFROST TIME (0 = disabled)	30 min	0 min	100 min
D04	DEFROST AUTO TYPE (0 = heater, 1 = hot gas, 2= air; if S41 = 0 then D04 = 2 and it can not be modified)	0	0	2
D05	DEFROST ENABLING AT CYCLE START (0 = disabled, 1 = enabled; if S41 = 0 then D05=0 and it can not be modified)	0	0	1
D06	DEFROST DELAY AT STORAGE START (0 = disabled; if S41 = 0 then D01=0 and D06 = 0; it can not be modified)	240 min	0 min	300 min
D07	COMPRESSOR DELAY AT DEFROST START (0 = delays ignored, 1 =delays fulfilled)	0	0	1
D08	DRAINED TIME	2 min	0 min	30 min
D09	DEFROST MANUAL TYPE (0 = heater, 1 = hot gas, 2= air; if S41 = 0 then D09 = 2, it can not be modified and it can be activated only from Function Menu)	0	0	2
D10	DEFROST INTERVAL COUNTING TYPE (0 = actual hours; 1 = compressor ON hours)	0	0	1

BLAST CHILLER SERVICE MANUAL: BOARD ALARMS-PARAMETERS

Param.	Description	Default	min	MAX
COMPRESSOR MANAGEMENT				
C01	POWER ON DELAY COMPRESSOR ON	0 min	0 min	5 min
C02	COMPRESSOR HYSTERESIS	+4 °F	2 °F	27 °F
C03	OFF - ON COMPR. TIME DELAY	2 min	0 min	30 min
C04	MINIMUM TIME COMPRESSOR ON	1 min	0 min	10 min
C05	COMPRESSOR DUTY CYCLE TIME	8 min	1 min	60 min
C06	%C05 WHIT COMP.ON IN POSIT. STORAGE	25%	0%	100%
C07	%C05 WHIT COMP.ON IN NEGAT. STORAGE	50%	0%	100%
C08	COMP. OFF DELAY BY DOOR OPENING (disabled in defrost, 0 = disabled)	30 s	0 s	300 s
C09	TEMPER. LIMIT FOR COMP. INHIBITION	194 °F	32 °F	212 °F
C10	MIN OFF TIME FOR COMP.PROT.FUNC. (0 = disabled)	24 ore	0 ore	300 ore
C11	TIME PULSE	2 s	1 s	10 s
C12	PAUSE TIME BETWEEN 2 PULSES	4 s	1 s	10 s
C13	NUMBER OF PULSES	3	1	10
FAN MANAGEMENT				
F01	EVAPORATOR FAN HYSTERESIS	+4 °F	2 °F	27 °F
F02	EVAP. TEMP. ABOVE WHICH FAN IS OFF	+5 °F	-40 °F	+212 °F
F03	EVAP. FAN MODE DURING A CYCLE: 0 = in parallel with compressor; 1 = always ON; 2 = thermostated according to F01 and F02	1	0	2
F04	EVAP. FAN MODE DURING STORAGE: 0 = in parallel with compressor; 1 = always ON; 2 = thermostated according to F01 and F02	0	0	2
F05	EVAP. FAN MODE DURING DEFROST: 0 = always OFF; 1 = always ON	0	0	1
F06	EVAP.FAN ON DELAY AFTER DEFROST	3 min	0 min	30 min
F07	TEMPER. LIMIT FOR EVAP.FAN INHIBIT.	131 °F	32 °F	194 °F
F08	CONDENSER FAN HYSTERESIS	+4 °F	+2 °F	+27 °F
F09	COND. TEMP. UNDER WHICH FAN IS OFF	+68 °F	-40 °F	+210 °F
F10	COND. FAN MODE DURING DEFROST: 0 = always OFF; 1 = always ON	0	0	1
F11	CON.FAN OFF DELAY AFTER COMP. OFF	30 s	0 s	300 s
F12	CRITICAL TEMPERATURE OF CONDENSATION	135 °F	68 °F	158 °F
F13	HYST.OF CRITICAL TEMP.CONDENSATION	9 °F	2 °F	54 °F
TEMPERATURE ALARMS MANAGEMENT				
A01	ALARM HYSTERESIS	+4 °F	+2 °F	+27 °F
A02	LOW ALARM SET IN POSITIVE STORAGE (0 = disabled)	-18 °F	-90 °F	0 °F
A03	HIGH ALARM SET IN POSITIVE STORAGE (0 = disabled)	+18 °F	0 °F	+90 °F
A04	LOW ALARM SET IN NEGATIVE STORAGE (0 = disabled)	-18 °F	-90 °F	0 °F
A05	HIGH ALARM SET IN NEGATIVE STORAGE (0 = disabled)	+18 °F	0 °F	+90 °F
A06	TEMP. ALARM DELAY AT STORAGE START	60 min	0 min	300 min
A07	TEMP. ALARM DELAY AFTER THE DEFROST (for D04 e D09= 0 or 1)	30 min	0 min	300 min
A08	DELAY TIME FOR HI/LO ALARM ACQUIS.	60 min	0 min	300 min
A09	OFF BUZZER MODE IN CASE OF ALARM: 0 = disabled; 1 = timed	1	0	1
A10	BUZZER REPORTING TIME IN ALARM (only if A09 = 1, 0 = buzzer disabled)	2 min	0 min	60 min
A11	MAX TEMPERATURE FOR ELECTRICAL BOX	158 °F	122 °F	194 °F

BLAST CHILLER SERVICE MANUAL: BOARD ALARMS-PARAMETERS

Param.	Description	Default	min	MAX
OTHER SETTINGS				
R01	AIR SET FOR ACTI- VATION DOOR HEAT.	19 °F	-40 °F	+104 °F
R02	DOOR HEATER HYSTERESIS	4 °F	2 °F	18 °F
R03	STERILIZATION TIME	20 min	1 min	100 min
R04	HEATING TIME FOR MULTIPOINT PROBE	60 s	1 s	60 s
R05	CONTROL TYPE FOR EVAPORATOR FANS (0 = relay; 1 = triac external; 2 = both)	1	0	2
R06	ADDITIONAL MODULE 1 ENABLING (0 = disabled, 1 = enabled)	1	0	1
R07	MINIM. OUTPUT SET FOR ADD. MODULE 1	50%	10%	100%
R08	HEATING TIME FOR MONOP.PROBE ADD-1	60 s	1 s	60 s
R09	ADDITIONAL MODULE 2 ENABLING (0 = disabled, 1 = enabled)	0	0	1
R10	MIN. OUTPUT 1 SET FOR ADD. MODULE 2	50%	10%	100%
R11	MIN. OUTPUT 2 SET FOR ADD. MODULE 2	50%	10 %	100%
R12	HEATING TIME FOR MON.PROBE 1 ADD-2	60 s	1 s	60 s
R13	HEATING TIME FOR MON.PROBE 2 ADD-2	60 s	1 s	60 s
R14	COOLING AIR SET	-13 °F	-44 °F	+86 °F
R15	MULTICHILLING AIR SET (it can be modified by the user with storage in EEPROM)	32 °F	-44 °F	+86 °F
R16	MULTICHILLING FAN SPEED	100%	40%	100%
R17	ADDITIONAL MODULE 3 ENABLING (0 = disabled, 1 = enabled)	0	0	1
R18	MINIM. OUTPUT SET FOR ADD. MODULE 3	50%	10%	100%
R19	INFINITY AIR SET (it can be modified by the user with storage in EEPROM)	+37 °F	-40 °F	+86 °F
R20	INFINITY FAN SPEED	100%	40%	100%
R21	AIR SET IN CHILLING TEST	23 °F	-40 °F	+86 °F
R22	AIR SET IN FREEZING TEST	-13 °F	-40 °F	+86 °F
R23	AIR SET IN POSIT. STORAGE TEST	+37 °F	-40 °F	+86 °F
R24	AIR SET IN NEGAT. STORAGE TEST	-8 °F	-40 °F	+86 °F
R25	CHILLING TEST TIME	30 min	0 min	900 min
R26	POSITIVE STORAGE TEST TIME	40 min	0 min	900 min
R27	FREEZING TEST TIME	40 min	0 min	900 min
R28	NEGATIVE STORAGE TEST TIME	35 min	0 min	900 min
R29	THAWING SKIN SET ICE CREAM PROBE	16 °F	-40 °F	+122 °F
R30	THAWING CORE SET ICE CREAM PROBE	5 °F	-40 °F	+122 °F
R31	THAWING AIR SET 1 ICE CREAM TIME	-40 °F	-40 °F	+122 °F
R32	THAWING AIR SET 2 ICE CREAM TIME	5 °F	-40 °F	+122 °F
R33	THAWING AIR SET 3 ICE CREAM TIME	10 °F	-40 °F	+122 °F
R34	THAWING TIME PH.1 ICE CREAM TIME	04 ^h 00 ^{min}	00 ^h 00 ^{min}	69 ^h 59 ^{min}
R35	THAWING TIME PH.2 ICE CREAM TIME	04 ^h 30 ^{min}	00 ^h 00 ^{min}	15 ^h 00 ^{min}
R36	THAWING TIME PH.3 ICE CREAM TIME	04 ^h 30 ^{min}	00 ^h 00 ^{min}	15 ^h 00 ^{min}
R37	THAWING SKIN SET PH.1 "PROBE"	48 °F	-40 °F	+122 °F
R38	THAWING CORE SET PH.1 "PROBE"	32 °F	-40 °F	+122 °F
R39	THAWING SKIN SET PH.2 "PROBE"	45 °F	-40 °F	+122 °F
R40	THAWING CORE SET PH.2 "PROBE"	34 °F	-40 °F	+122 °F
R41	THAWING SKIN SET PH.3 "PROBE"	41 °F	-40 °F	+122 °F
R42	THAWING CORE SET PH.3 "PROBE"	37 °F	-40 °F	+122 °F
R43	THAWING AIR SET PH.1 "TIME"	-40 °F	-40 °F	+122 °F
R44	THAWING AIR SET PH.2 "TIME"	86 °F	-40 °F	+122 °F
R45	THAWING AIR SET PH.3 "TIME"	59 °F	-40 °F	+122 °F
R46	THAWING AIR SET PH.4 "TIME"	50 °F	-40 °F	+122 °F

BLAST CHILLER SERVICE MANUAL: BOARD ALARMS-PARAMETERS

Param.	Description	Default	min	MAX
OTHER SETTINGS				
R47	THAWING TIME PHASE 1 "TIME"	04 ^h 00 ^{min}	00 ^h 00 ^{min}	54 ^h 59 ^{min}
R48	THAWING TIME PHASE 2 "TIME"	02 ^h 00 ^{min}	00 ^h 00 ^{min}	15 ^h 00 ^{min}
R49	THAWING TIME PHASE 3 "TIME"	01 ^h 00 ^{min}	00 ^h 00 ^{min}	15 ^h 00 ^{min}
R50	THAWING TIME PHASE 4 "TIME"	00 ^h 30 ^{min}	00 ^h 00 ^{min}	15 ^h 00 ^{min}
R51	THAWING FAN SPEED	100%	40%	100%
R52	STORAGE AIR SET AFTER THAWING	36 °F	-40 °F	+122 °F
R53	STORAGE AIR SET AFTER I.C.THAWING	12 °F	-40 °F	+122 °F
R54	STORAGE FAN SPEED AFTER THAWING	50%	40%	100%
R55	PROVING AIR SET PHASE 1	36 °F	-40 °F	+122 °F
R56	PROVING AIR SET PHASE 2	82 °F	-40 °F	+122 °F
R57	NIGHT PROVING AIR SET PHASE 1	32 °F	-40 °F	+122 °F
R58	NIGHT PROVING AIR SET PHASE 2	36 °F	-40 °F	+122 °F
R59	NIGHT PROVING AIR SET PHASE 3	64 °C	-40 °F	+122 °F
R60	NIGHT PROVING AIR SET PHASE 4	82 °C	-40 °F	+122 °F
R61	PROVING TIME PHASE 1	04 ^h 00 ^{min}	00 ^h 00 ^{min}	84 ^h 59 ^{min}
R62	PROVING TIME PHASE 2	02 ^h 00 ^{min}	00 ^h 00 ^{min}	15 ^h 00 ^{min}
R63	NIGHT PROVING TIME PHASE 1	04 ^h 00 ^{min}	00 ^h 00 ^{min}	54 ^h 59 ^{min}
R64	NIGHT PROVING TIME PHASE 2	00 ^h 20 ^{min}	00 ^h 00 ^{min}	15 ^h 00 ^{min}
R65	NIGHT PROVING TIME PHASE 3	02 ^h 00 ^{min}	00 ^h 00 ^{min}	15 ^h 00 ^{min}
R66	NIGHT PROVING TIME PHASE 4	02 ^h 00 ^{min}	00 ^h 00 ^{min}	15 ^h 00 ^{min}
R67	PROVING FAN SPEED PHASE 1	100%	40%	100%
R68	PROVING FAN SPEED PHASE 2	70%	40%	100%
R69	NIGHT PROVING FAN SPEED PHASE 1	100%	40%	100%
R70	NIGHT PROVING FAN SPEED PHASE 2	70%	40%	100%
R71	NIGHT PROVING FAN SPEED PHASE 3	70%	40%	100%
R72	NIGHT PROVING FAN SPEED PHASE 4	70%	40%	100%
R73	STORAGE AIR SET AFTER PROVING	57 °F	-40 °F	+122 °F
R74	STORAGE AIR SET AFTER NIGHT PROV.	50 °F	-40 °F	+122 °F
R75	STORAGE FAN SPEED AFTER PROVING	50%	40%	100%
R76	ON TIME RESISTOR IN THAW.- PROVING	30 s	0 s	900 s
R77	OFF TIME RESISTOR IN THAW.- PROVING	30 s	0 s	900 s
PRINTER MANAGEMENT				
W01	SAMPLING TIME IN POS./NEGAT.CYCLES	10 min/hours	1	60
W02	SAMPLING TIME IN POS./ NEG.STORAGE	1 min/hours	1	240
W03	SAMPL. TIME UNIT IN POS./NEG.CYCLE (0 = minutes, 1 = hours)	0	0	1
W04	SAMPL. TIME UNIT IN POS./NEG.STOR. (0 = minutes, 1 = hours)	1	0	1
W05	TEMPERATURE PROBE TO BE PRINTED: [0 = none, 1= room probe, 2 = same as 1 + multipoint probe (if enabled and only heart probe), 3 = same as 2 + monopoint probes (if enabled)]	2	0	3
W06	PRINT REPORT HEADER (0 =disabled, 1= enabled)	1	0	1
W07	ENABLING PRINTING DEVICE ID NUMBER (0 = no, 1= yes; if W06 = 0 >> device ID number disabled)	1	0	1
W08	PARAMETERS PRINT ENABLING (0 = disabled) (NOT INCLUDED)	1	0	1
W09	PARAMETERS USB ENABLING (0 = disabled) (NOT INCLUDED)	1	0	1
COMMUNICATION DATA				
L01	DEVICE ADDRESS (data collected during printing if P4 = 1)	1	0	255
L02	SERIAL PORT MANAGEMENT (o = not used, 1 = print, 2 = supervision in ModBus)	1	0	2
L03	BAUD RATE DATA (1 = 2400, 2 = 4800, 3 = 9600, 4 = 18200)	3	1	4
L04	TRANSMISSION CONTROL MODE (L4 = 0 no parity, L4 = 1 odd, L4 = 2 even)	0	0	2