

THERMTRONIX® NON-CRUCIBLE FURNACE CHAMBER PARAMETERS

FOR DRAWING 14-17309 REV E, REVISED 2/20/2006

MODEL NO. DC120271031000 WITH 2ND SP CARD

Entry into Select Mode: Hold down "setup" and press "up". Press "up" or "down" to select the required mode.

MODE	UPPER DISPLAY	LOWER DISPLAY	LOCK CODE
Operator Mode	Optr	SLCt	n/a
Set-Up	SetP	SLCt	10
Configuration	ConF	SLCt	20
Product Info	inFo	SLCt	n/a
Automatic Tune	Atun	SLCt	0

Special note: Lock codes can be changed from within the modes that they apply to.

To enter a mode. Hold down "setup" and press "up". Press "up" or "down" to display the desired mode. Press "setup" to select mode. Enter unlock code and press "setup". Press "setup" to scroll through parameters. Press "Man/Auto" to accept parameter changes. To exit to the Select Menu hold down "setup" and press "up". Choose Optr and press "setup" to go to Operating Mode (setpoint/process value view).

S

Configuration Mode

Setup Mode

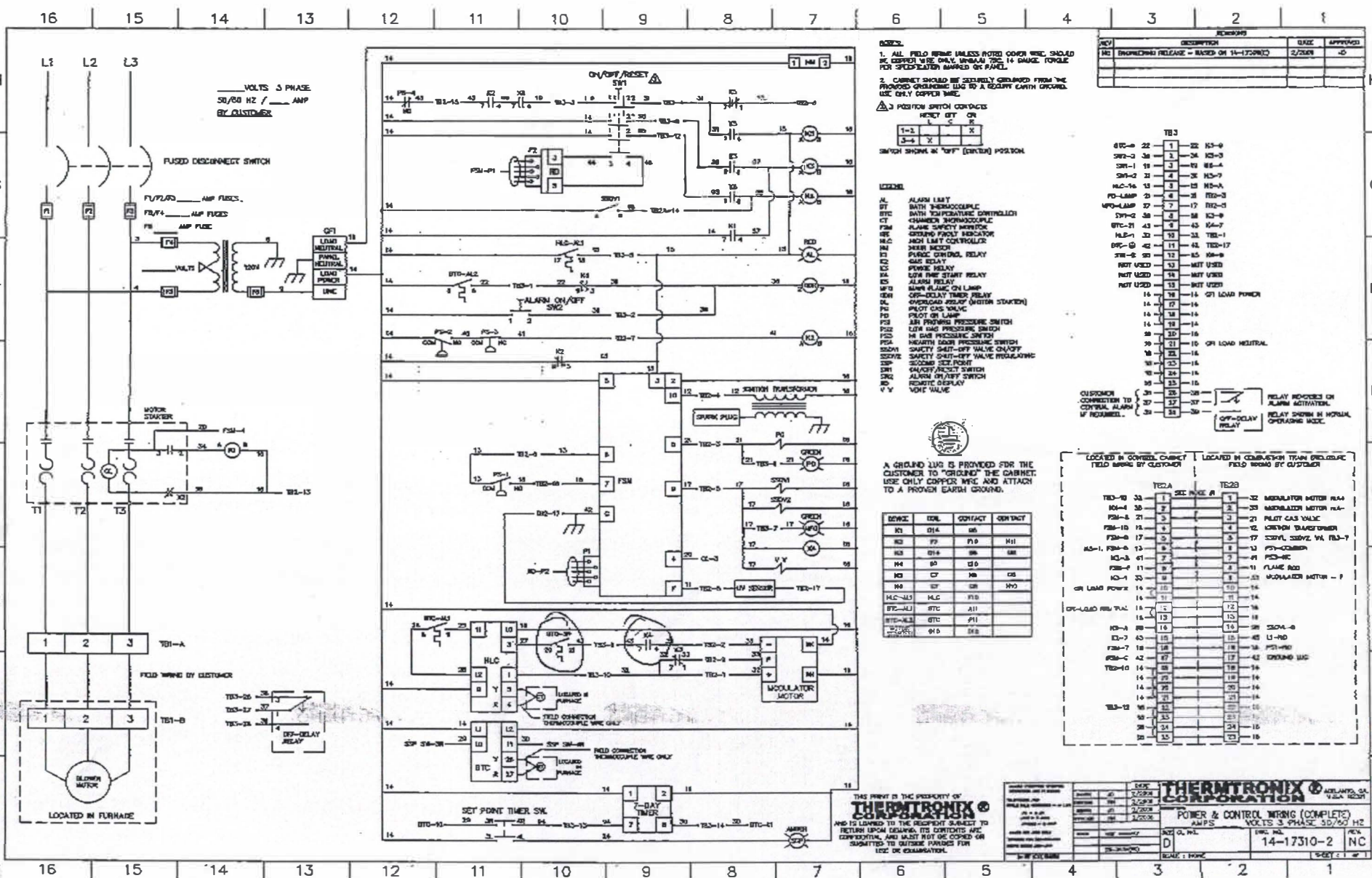
Lower Display	Upper Display
InPt -	YF (Note: "Y" looks like a backwards 4)
ruL -	2500
rLL -	0
CtYP -	duAL
Ctrl -	rEv
ALA1 -	P_Hi
PhA1 -	2300 ***
AHY1 -	1 ***
ALA2 -	P_Hi
PhA2 -	1900 ***
AHY2 -	1 ***
LAEn -	diSA
Inhi -	nonE
USE1 -	Pri
tYP1 -	4_20
USE2 -	A2_d
USE3 -	A1_d
diSP -	1
diGi -	diSl

Lower Display	Upper Display
Filt -	1.0
OFFS -	0
PPLJ -	(Read only value)
Pb_P -	1.0
ArSt -	5.00
rAtE -	1.15
biAS -	25
SPuL -	2150
OPuL -	100
PhA1 -	2300 ***
AHY1 -	1 ***
PhA2 -	1900 ***
AHY2 -	1 ***
APt -	EnAb
PoEn -	EnAb
SP-1	11900-7
SP-2	1650
Automatic Tune Mode	

Lower Display	Upper Display
Ptun -	OFF
Stun -	On

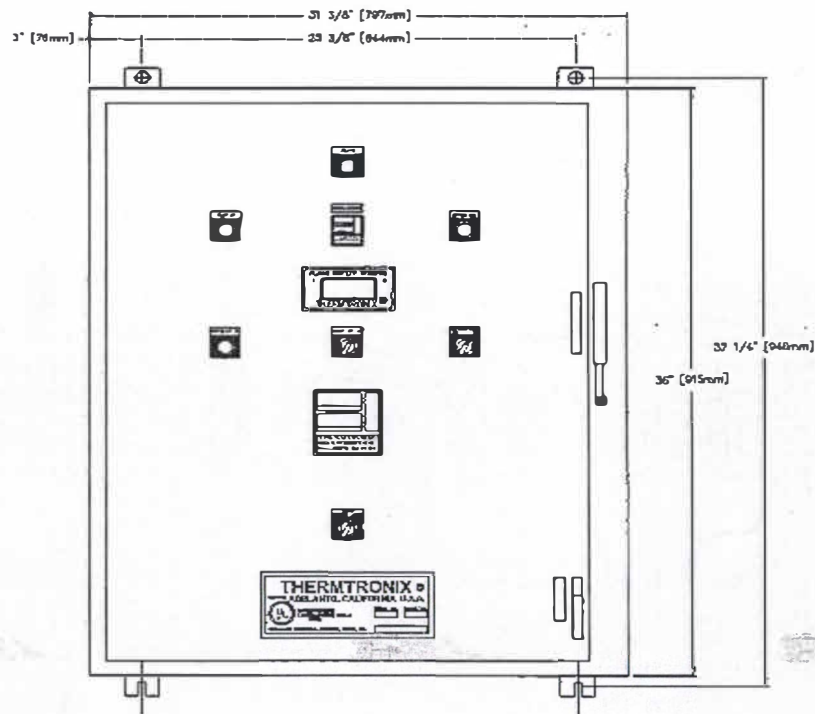
*** Values changeable from more than one menu.

Attn.
Carlos

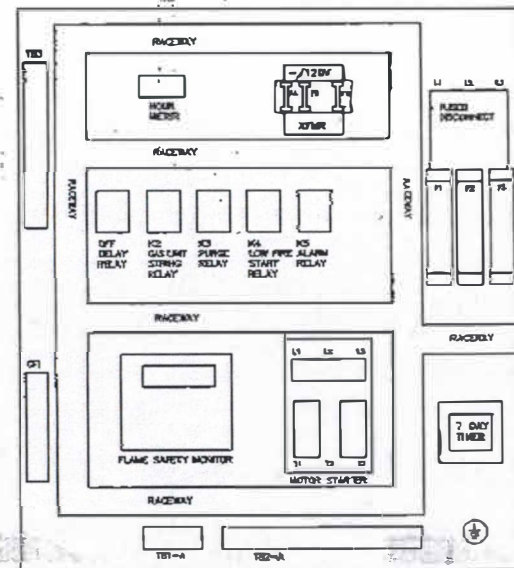


APPROX. WEIGHT 150 lbs. [70 kgs]

CONTROL CABINET



INSIDE PANEL ASSEMBLY



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DATE	BY	REVISION
12/20/04	JD	1
12/20/04	JD	2
12/20/04	JD	3
12/20/04	JD	4
12/20/04	JD	5
12/20/04	JD	6
12/20/04	JD	7
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12/20/04	JD	100

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12/20/04	JD	100

GC-SERIES (14-17309 rev E) UDC 2500 BTC PARAMETER SETUP

BATH CONTROLLER MODEL NO. DC25xx-EE-2A-xx-xxxxxxxx-xx-x

Press Setup key until "TUNING" is displayed.
Then press Function to display following settings:

Lower Display

SECUR
LOCK
AUTOMA
RN HLD
SP SEL
CYC T1

Upper Display

0
NONE
ENAB
DIS
DIS
1

Press Setup key until "SPRAMP" is displayed.
Then press Function to display following settings:

Lower Display

SP RAMP
SP RATE

Upper Display

DIS
DIS

Press Setup until "ALGOR" is displayed.
Then press Function to display following settings:

Lower Display

CTRALG
TIMER

Upper Display

ONOF
DIS

Press Setup until "OUTALG" is displayed.
Then press Function to display following settings:

Lower Display

OUTALG
RLYTYP

Upper Display

RLY
MECH

GC-SERIES (14-17309 rev E) UDC 2500 BTC PARAMETER SETUP

BATH CONTROLLER MODEL NO. DC25xx-EE-2A-xx-xxxxxx-xx-x

Press Setup key until "INPUT 1" is displayed.
Then press Function to display following settings:

Lower Display

IN1TYP

IN1 HI

IN1 LO

RATIO1

BIAS1

FILTR1

BRNOUT

Upper Display

KH

2400

0

1.00

0.0

1.0

UP

Press Setup key until "CONTRL" is displayed.
Then press Function to display following settings:

Lower Display

LSP'S

SP TRK

PWR UP

SP Hi

SP Lo

ACTION

HYS

FAILSF

FSMODE

Upper Display

TWO

NONE

ALSP (Auto/last LSP)

1550

25

REV

0.1

0.0

NO L

Press Setup key until "OPTIONS" is displayed.
Then press Function to display following settings:

Lower Display

AUXOUT

DIGIN1

DI1CMB

DIGIN2

Upper Display

DIS

SP2

DIS

NONE

GC-SERIES (14-17309 rev E) UDC 2500 BTC PARAMETER SETUP

BATH CONTROLLER MODEL NO. DC25xx-EE-2A-xx-xxxxxx-xx-x

Press Setup key until "ALARMS" is displayed.
Then press Function to display following settings:

Lower Display

A1S1TY
A1S1VA
A1S1HL
A1S2TY
A1S2VA
A1S2HL
A2S1TY
A2S1VA
A2S1HL
A2S2TY
A2S2VA
A2S2HL
ALHYST
ALARM 1
BLOCK

Upper Display

DE
10.00
LO
DE
10.00
LO
PROC
1600
HI
PROC
1600
HI
0.1
NO L
DIS

Press Setup key until "DISPLAY" is displayed.
Then press Function to display following settings:

Lower Display

DECIMAL
TUNITS
FREQ
NOLDSP
LNGUAG

Upper Display

NONE
F
60
DIS
ENGL

Press "Display" key to display the following:

Lower Display

SP
2L***
OT****

Upper Display

1300
1200
100.0

*** Second Setpoint

**** Read-only value, shows output percentage.