

PANEL ASSEMBLY

USE WITH FOLLOWING

KILN ASSEMBLIES:

MODEL	WIRING DIAGRAM
X2836-D	K121-110
X3236-D	K128-110
T2336-D	K134-110
T3436-D	K140-110

1TAS DYNATROL

FACING REAR OF CONTROL

SHIELD

TOP T/C + YELLOW RED

CENTER T/C + YELLOW RED

BOTTOM T/C + YELLOW RED

OPTIONAL DOOR CUTOFF SWITCH

TC3 TC2 TC1

OUT.4

OUT.1

OUT.2

OUT.3

A B CT

RS-485 AC1

Orange

Green

Green

Green

Brown

Gray

NOTES:

Industrial & commercial applications may require the installation of a LOCKOUT/TAGOUT device to prevent the Kiln from operating during maintenance.

This Kiln is recommended to be wired & connected to an approved U. L. & NEC configured disconnect switch and properly fused according to the KW load specification listed on the Kiln Nameplate. L&L Kiln Mfg., Inc., also recommends fuses rather than circuit breakers to prevent nuisance tripping.

WIRE:

Control Wire:

14 AWG, SEWF, 105°C

Power Wire:

6 AWG, SEWF, 105°C

XFRMR

115/230 VAC -

50/60 HZ (PRI)

24 VCT (SEC)

12 VA

1FU

1/2 AMP

1TGS

ON/OFF

OPTIONAL 120 VAC CONTROL POWER

Green

L1 L2 L3 G

1TB



© : TERMINATION POINTS FOR OPTIONS

SEE DWG K262-190 FOR OPT 120V CONTROL POWER

SEE DWG K262-191 FOR OPT DR SW

OPTIONAL DAWSON KILN SITTER/TIMER

SAFETY SWITCH BY CUSTOMER

Connect to Three Phase DELTA:
240 Volt, 3 Wire, Three Phase - or
220 Volt, 3 Wire, Three Phase - or
208 Volt, 3 Wire, Three Phase
50 or 60 Cycles.

SEE KILN WIRING DIAGRAM
FOR POWER REQUIREMENTS
SWITCHING CAPACITY =
105 AMPS MAXIMUM

ELECTRICAL PARTS LIST

SYMBOL	QTY	DESCRIPTION	CUSTOMER PART NO.
1TB	1	POWER CONNECTION BOARD	L-G-PBLG/02
1TAS	1	BARTLETT DYNATROL	N-G-D300/00
T/C	3	THERMOCOUPLES (8 Ga)	T-G-E800/00
CR	3	POWER RELAYS	L-G-RL25/12
1FU	1	CONTROL FUSE	L-C-FS05/00
1FUB	1	PANEL MOUNT FUSE HOLDER	L-G-FSPB/00
1TGS	1	ON/OFF TOGGLE SWITCH	L-G-SWTG/00
XFRMR	1	STEP DOWN TRANSFORMER	L-G-TR24/00
15-18MOV	3	31 VOLT SURGE SUPPRESSORS	L-G-MOV0/00
C	4	POWER CONTACTORS	L-G-RL50/30
1-14MOV	10	250 VOLTS SURGE SUPPRESSORS	L-G-MOV1/00
FU	8	ELEMENT FUSES	L-G-FS50/NL
FUB	4	ELEMENT FUSE BLOCKS	L-G-FH60/20
R	4	SINGLE RECEPTACLE NEMA 6-50R	L-G-SR50/00
2TAS	1 (OPT)	DAWSON KILN SITTER	N-G-LT30/00
2TAS	1 (OPT)	50 HZ DAWSON KILN SITTER	N-G-LT30/50

REV#	DATE	REVISION DESCRIPTION
B	5/29/2012	CHANGED TO PANEL MOUNT
A	7/6/09	REPLACED UL MARK WITH MET CERTIFIED MARK & ADDED NEW LOC
0	10/10/02	MISC CHANGES for RELEASE
505 SHARPTOWN ROAD SWEDESBORO, NJ 08065		
PHONE: (856) 294-0077 FAX: (856) 294-0070		
L&L Kilns hotkilns.com		
TITLE CONTROL WIRING DIAGRAM WITH PANEL MOUNTED DYNATROL		
For 3 Phase KILN with (4) 50 Amp Sections Branch Circuit Fusing / No Power Bottom		
DRAWN BY	A.H.	REV. CODE
DATE	5/29/2012	SCALE 1 = 8
CHK		APP
JOB NO	SER NO	SHEET NO. OF
FILE NAME 1-FU-1-KILN-WIRING-DIAG		DATE PRINT
B		K264-156a

SEE KILN WIRING DIAGRAM
PLUG KILN SECTION CAPS INTO RESPECTIVE RECEPTACLES