

PANEL ASSEMBLY

USE WITH FOLLOWING KILN ASSEMBLIES:

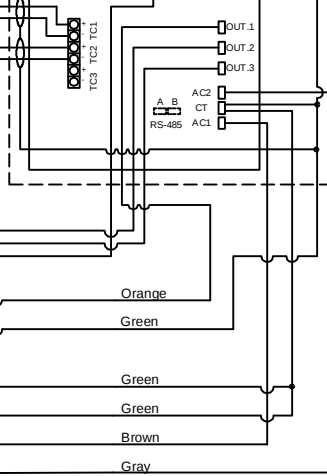
MODEL	WIRING DIAGRAM
XB2818-D-PB	K119-111
XB3218-D-PB	K126-111
TB2318-D-PB	K132-111
TB3418-D-PB	K138-111

1TAS DYNA-TROL

FACING REAR OF CONTROL

SHIELD
TOP T/C + YELLOW RED
CENTER T/C + YELLOW RED
(NO CONNECTION TO TC3)

OPTIONAL DOOR CUTOFF SWITCH



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

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 =
85 AMPS MAXIMUM



⊙ : TERMINATION POINTS FOR OPTIONS
SEE DWG K262-190 FOR OPT 120V CONTROL POWER
SEE DWG K262-191 FOR OPT DR SW

ELECTRICAL PARTS LIST

SYMBOL	QTY	DESCRIPTION	CUSTOMER PART NO.
1TB	1	POWER CONNECTION BOARD	L-G-PBLG/03
1TAS	1	BARTLETT DYNATROL	N-G-D300/00
T/C	2	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	3	POWER CONTACTORS	L-G-RL50/30
1-5,B,7-14MOV	9	250 VOLTS SURGE SUPPRESSORS	L-G-MOV1/00
FU	6	ELEMENT FUSES	L-G-FS50/NL
FUB	3	ELEMENT FUSE BLOCKS	L-G-FH60/20
R	3	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	5/15/2012	CHANGED TO PANEL MOUNT
A	7/6/09	REPLACED UL MARK WITH MET CERTIFIED MARK & ADDED NEW LOC
0	10/11/02	MISC CHANGES FOR RELEASE
505 SHARPTOWN ROAD SWEDESBORO, NJ 08085 PHONE: (856) 294-0077 FAX: (856) 294-0070		
L&L Kilns hotkilns.com		
TITLE CONTROL WIRING DIAGRAM WITH PANEL MOUNTED DYNA-TROL For 3 Phase KILN with (2) 50 Amp Sections Branch Circuit Fusing / 50 Amp Power Bottom		
DRAWN BY	A.H.	REV. CODE
DATE	5/15/2012	SCALE 1 = 8
CHK	APP	B
JOB NO	SER NO	SHEET NO. OF
FILE NAME	1-FU-11-KILN-WIRING-DGCTI	MATE FROM
K265-152a		

SEE KILN WIRING DIAGRAM
PLUG KILN SECTION CAPS INTO RESPECTIVE RECEPTACLES