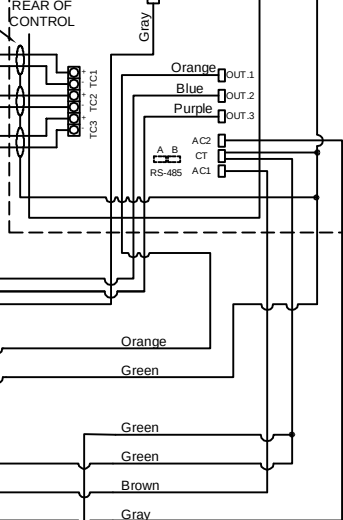


PANEL ASSEMBLY

USE WITH FOLLOWING KILN ASSEMBLIES:

MODEL	WIRING DIAGRAM
X2827-D-PB/QD	K120-111
X3227-D-PB/QD	K127-111
T2327-D-PB/QD	K133-111
T3427-D-PB/QD	K139-111

1TAS
DYNA-TROL



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)
30 VA

OPTIONAL 120 VAC
CONTROL POWER



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

SAFETY SWITCH BY CUSTOMER

Connect to
240 Volt, 2 Wire, Single Phase - or
220 Volt, 2 Wire, Single Phase - or
208 Volt, 2 Wire, Single Phase
50 or 60 Cycles.

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

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	3	THERMOCOUPLES (8 Ga)	T-G-E800/00
CR	4	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/LG
15-18MOV	4	31 VOLT SURGE SUPPRESSORS	L-G-MOV0/00
C	4	POWER CONTACTORS	L-G-RL50/30
1-5.B,7-14MOV	12	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

L&L Kilns
hotkilns.com

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SWEDESBORO, NJ 08085

PHONE: (856) 294-0077
FAX: (856) 294-0070

TITLE

CONTROL WIRING DIAGRAM

For 1 Phase KILN with (3) 50 Amp Sections
Branch Circuit Fusing / 50 Amp Power Bottom

DRAWN BY A.H.	REV. CODE B	DRAWING NO. K265-153a
DATE 5/9/2012	SCALE 1 = 8	
CHK	APP	
JOB NO	SER NO	SHEET NO. OF
FILE NAME 1-1FU 1T KILN WIRING.DGT	DATE FROM	

SEE KILN WIRING DIAGRAM
PLUG KILN SECTION CAPS INTO RESPECTIVE RECEPTACLES