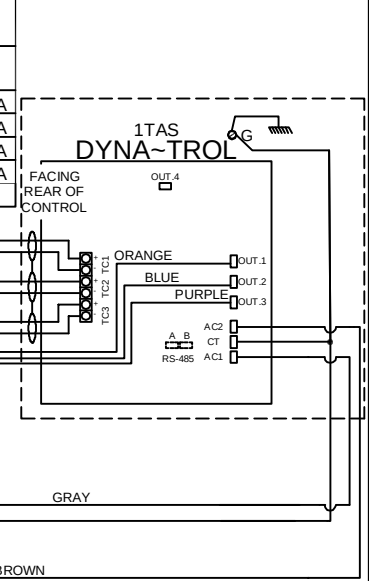


PANEL ASSEMBLY

USE WITH FOLLOWING

MODEL	WIRING DIAGRAM
X2827-D & QD	K120-110A
X3227-D & QD	K127-110A
T2327-D & QD	K133-110A
T3427-D & QD	K139-110A
JD2927-JH	K043-160



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 1TGS
1/2 AMP ON/OFF

OPTIONAL 120 VAC
CONTROL POWER

OPTIONAL
DAWSON
KILN
SITTER/
TIMER

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/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	3	POWER CONTACTORS	L-G-RL50/30
1-14MOV	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



© : TERMINATION POINTS FOR OPTIONS
SEE DWG K262-190 FOR OPTIONAL 120V CONTROL POWER
SEE DWG K262-191 FOR OPTIONAL DOOR SWITCH

REV#	DATE	REVISION DESCRIPTION
D	7/27/12	ADDED JH KILN ASSEMBLY
C	5/9/2012	CORRECTED AC1 & 2 AND COLOR WIRING
B	3/28/2012	CHANGED FROM HAND HELD MOUNT TO PANEL MOUNT
A	7/6/09	REPLACED UL MARK WITH MET CERTIFIED MARK & ADDED LOGO
0	9/9/02	MISC CHANGES FOR RELEASE
505 SHARPTOWN RD SWEDESBORO, NJ 08065 PHONE: (856) 294-0077 FAX: (856) 294-0070		
L&L Kilns hotkilns.com		
CONTROL WIRING DIAGRAM 1 Phase KILN with (3) 50 Amp Sections & Branch Circuit Fusing / No Power Bottom		
DRAWN BY	S.D	REV. CODE
DATE	01/09/01	SCALE 1 = 8
CHK	APP	D
JOB NO	SER NO	SHEET NO. OF
FILE NAME	1-1FU V1 KILN WIRING.DGT	DATE FROM

SEE KILN WIRING DIAGRAM
PLUG KILN SECTION CAPS INTO RESPECTIVE RECEPTACLES