

MODEL	WIRING DIAGRAM
JD18	K028-110
JD18X	K032-110
JD23	K035-110
JD230	K037-110
JD2927L	K043-112
JD18-JH	K028-160

**PLUG KILN SECTION
CAPS INTO RESPECTIVE
RECEPTACLES**

Control Wire:
14 AWG, SEWF, 150°C
Power Wire:
14 AWF, SEWF, 150°C

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 receptacle controlled with a disconnect switch and properly fused according to the KW load load specification listed on the Kiln Nameplate. L&L Kiln Mfg., Inc., also recommends fuses rather than circuit breakers to prevent nuisance tripping.

FOR 2-RING MODELS:

TOP T/C YELLOW
RED

BOTTOM T/C YELLOW
RED

(NO CONNECTION TO TC3)

SHIELD

FACING REAR OF CONTROL

TC3 TC2 TC1

OUT.1
OUT.2
OUT.3

AC1
CT
RS-485 AC2

OPTIONAL DOOR CUTOFF SWITCH

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 SITTING/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 =

PLUG NEMA 6-50P
POWER CORD

MET US
UL 499
MET/UL except for JD18-JH

SYMBOL	QTY	DESCRIPTION	CUSTOMER PART NO.
PLUG	1	72" POWER PLUG, NEMA 6-50P	L-G-PC50/72
1TB	1	POWER CONNECTION BOARD	L-J-PBSM/01
1TAS	1	BARTLETT DYNATROL	N-G-D300/00
T/C.	3	THERMOCOUPLES (8 Ga)	T-G-E800/00
C	3	POWER RELAYS	L-G-RL25/12
1-3MOV	3	31 VOLT SURGE SUPPRESSORS	L-G-MOV0/00
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
R	3	SINGLE RECEPTACLE NEMA 6-20R	L-J-SR20/00
2TAS	1 (OPT)	DAWSON KILN SITTER	N-G-I T30/00
2TAS	1 (OPT)	50 HZDAWSON KILN SITTER	N-G-LT30/50

C	5/6/13	ADDED MET NOTE FOR JH
B	7/26/12	ADDED JH KILN ASSEMBLIES
A	6/15/09	REPLACED UL MARK WITH MET CERTIFIED MARK & ADDED NEW LOGO
0	10/2/02	MISC CHANGES FOR RELEASE
REV#	DATE	REVISION DESCRIPTION



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TITLE **CONTROL WIRING DIAGRAM
WITH PANEL MOUNTED DYNA~TROL**

For 1 Phase KILN with (3) 20 Amp Sections
No Branch Circuit Fusing / No Power Bottom

DRAWN BY G.D.L.		REV. CODE C	DRAWING NO. K262-151	
DATE 10/20/99	SCALE 1 = 8			
CHK G.D.L.	APP .			
JOB NO .		SER NO .		SHEET NO. 1 OF 1
FILE NAME L:\EL\LLKLN\WRDGC\TL K262-151.dwg		MADE FROM USERIES\K028-150.dwg		