

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, 105°C
Power Wire:
14 AWG,SEWF, 105°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 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.

The diagram illustrates the electrical wiring for a three-phase kiln system. It includes three motor control sections (1C, 2C, 3C) each with thermal overload relays (L1, L2, L3), fuses (1R, 2R, 3R), and ground connections (G0). The heaters are connected through a terminal block (1TB) to a transformer (XFRMR) which provides 115/230 VAC - 50/60 HZ (PRI) and 24 VCT (SEC) 12 VA. Safety features include an optional door cutoff switch and a customer-installed safety switch. Optional components like a 120 VAC control power source and a 1TAS DYNA-TROL unit are also shown.

FOR 2-RING MODELS

TOP T/C YELLOW RED
BOTTOM T/C YELLOW RED
(NO CONNECTION TO TC3)

1TAS DYNA-TROL

OUT 4
FACING REAR OF CONTROL
SHIELD
TC3 TC2 TC1
YELLOW RED
YELLOW RED
YELLOW RED
TC3 TC2 TC1
A B CT
RS-485 AC2

XFRMR
115/230 VAC -
50/60 HZ (PRI)
24 VCT (SEC)
12 VA

OPTIONAL DOOR CUTOFF SWITCH

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 =
25.4 AMPS MAXIMUM

METUS
UL 499

© : TERMINATION POINTS FOR OPTIONS

[illegible]

A	7/26/12	ADDED JH KILN ASSEMBLIES	
B	6/19/09	REPLACED UL MARK WITH MET CERTIFIED MARK & ADDED NEW LOG	
0	10/2/02	MISC CHANGES FOR RELEASE	
P1	1/24/01	MISC AS-BUILT CHANGES	
REV#	DATE	REVISION DESCRIPTION	
		505 SHARPTOWN ROAD SWEDESBORO, NJ 08068 PHONE: (856) 294-0077 FAX: (856) 294-0077	
TITLE CONTROL WIRING DIAGRAM WITH PANEL MOUNTED DYNA-TROL For 3 Phase KILN with (3) 20 Amp Sections No Branch Circuit Fusing / No Power Bottom			
DRAWN BY G.D.L.		REV. CODE B	DRAWING NO. K262-152
DATE 10/20/99	SCALE 1 = 8		
CHK G.D.L.	APP		
JOB NO		SER NO	SHEET NO. OF
FILE NAME: 1-AFW11K11NWDRGCT1		DATE FROM	