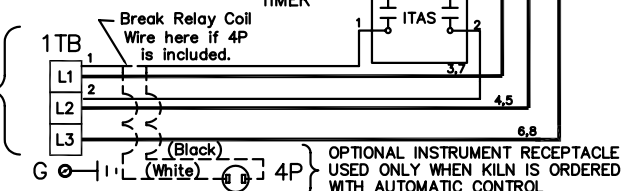


J23 POWER REQUIREMENTS	
208 VOLTS	3 PHASE
50-60 HZ	6.1 KW
25.4 AMPS	40 A Class H FUSES
220 VOLTS	3 PHASE
50-60 HZ	6.45 KW
25.4 AMPS	40 A Class H FUSES
240 VOLTS	3 PHASE
50-60 HZ	7.0 KW
25.4 AMPS	40 A Class H FUSES

J230 REQUIREMENTS	
208 VOLTS	3 PHASE
50-60 HZ	9.1 KW
25.4 AMPS	40 A Class H FUSES
220 VOLTS	3 PHASE
50-60 HZ	9.7 KW
25.4 AMPS	40 A Class H FUSES
240 VOLTS	3 PHASE
50-60 HZ	10.6 KW
25.4 AMPS	40 A Class H FUSES

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 POWER REQUIREMENTS TABLE ABOVE.



AS OF 6/2/98, REV A, BRANCH CIRCUIT FUSING IS NO LONGER PROVIDED.

TO CONVERT TO AUTOMATIC CONTROL:

Contact Factory for information on adding 4P if not already included, and ordering and installing a separate Control System which plugs into 4P, and also has its own 115 Volt power cord.

NOTES:

All control & power wiring is No. 14 AWG, SEWF-2.
 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 Safety 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.

MODEL J23 =	ZONES 1 THRU 2
	2 - 9" RINGS
MODEL J230 =	ZONES 1 THRU 3
	3 - 9" RINGS

ELECTRICAL PARTS LIST

SYMBOL	QTY	DESCRIPTION	SHOP PART NO.	CUSTOMER PART NO.
1TB	1	POWER CONNECTION BOARD	E-TER-3X6175-A1	L-G-PBLG/02
1TAS	1	DAWSON KILN SITTER W/ TIMER	T-DAW-LT3240-A1	N-G-LT30/00
1TAS	1 (OPT)	50Hz DAWSON KILN SITTER W/ TIM	T-DAW-LT3240-A2	N-G-LT30/50
C (240)	3	POWER CONTACTORS	E-CNT-D02521-A1	L-G-RL30/30
C (208)	3	POWER CONTACTORS	E-CNT-D02521-A2	L-G-RL30/20
SM (240)	3	INPUT ZONE SWITCHES	E-INF-240XXX-A1	L-J-INFO/30
SM (208)	3	INPUT ZONE SWITCHES	E-INF-208XXX-A1	L-J-INFO/20
LT	3	INPUT ZONE PILOT LIGHTS	E-PIL-SR250V-A1	L-G-PILO/00
FUS	6	FUSES	E-FUS-BN2030-A1	L-G-FS30/00
FUB	6	PANEL MOUNT FUSE HOLDERS	E-FUB-HPF630-B1	L-G-FSPB/30
R	1	SINGLE RECEPTACLE NEMA 6-15R	E-REC-S15250-A1	L-J-SR15/00
R	1	DUPLEX RECEPTACLE NEMA 6-15R	E-REC-D15250-A1	L-J-DR20/00
P	VARIABLES	36" PLUGS NEMA 6-15P	E-CRD-336015-A1	L-J-JC36/00
H (240)	9-15	240 Volt HEATING ELEMENTS		E-J-2300/30
H (208)	9-15	208 Volt HEATING ELEMENTS		E-J-2300/20
H (220)	9-15	220 Volt HEATING ELEMENTS		E-J-2300/40
4P (opt)	1	INSTRUMENT RECEPTACLE	E-CNE-S302RP-A1	L-G-JNFM/00

REV# DATE REVISION DESCRIPTION

B 11/13/08 UPDATED LOGO, ADDRESS, TITLE BLOCK, & BORDER

A 6/2/98 CHG'D ZONE NO.S FROM TOP TO BOT; REMOVED FUSES

0 2/24/97 MISC AS-BUILT CHANGES (ELEMENT JUMPERS)

505 SHARPTOWN ROAD
SWEDESBORO, NJ 08085

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

L&L Kilns
hotkilns.com

ECONO KILN WIRING DIAGRAM
MODELS J23 & J230

Complete with Dawson Kiln Sitter
208 or 220 or 240 Volts / 3 Phase

DRAWN BY **J.E.M.** REV. CODE DRAWING NO.

DATE 1/22/97 SCALE 1 = 8 **B** **K035-102**

CHK APP JOB NO STANDARD SER NO SHEET NO. | OF |

FILE NAME L:\NEW\KILN\SERIES MADE FROM

K035-100.dwg J230-3 (Manual L&L Mfg. Dwg)