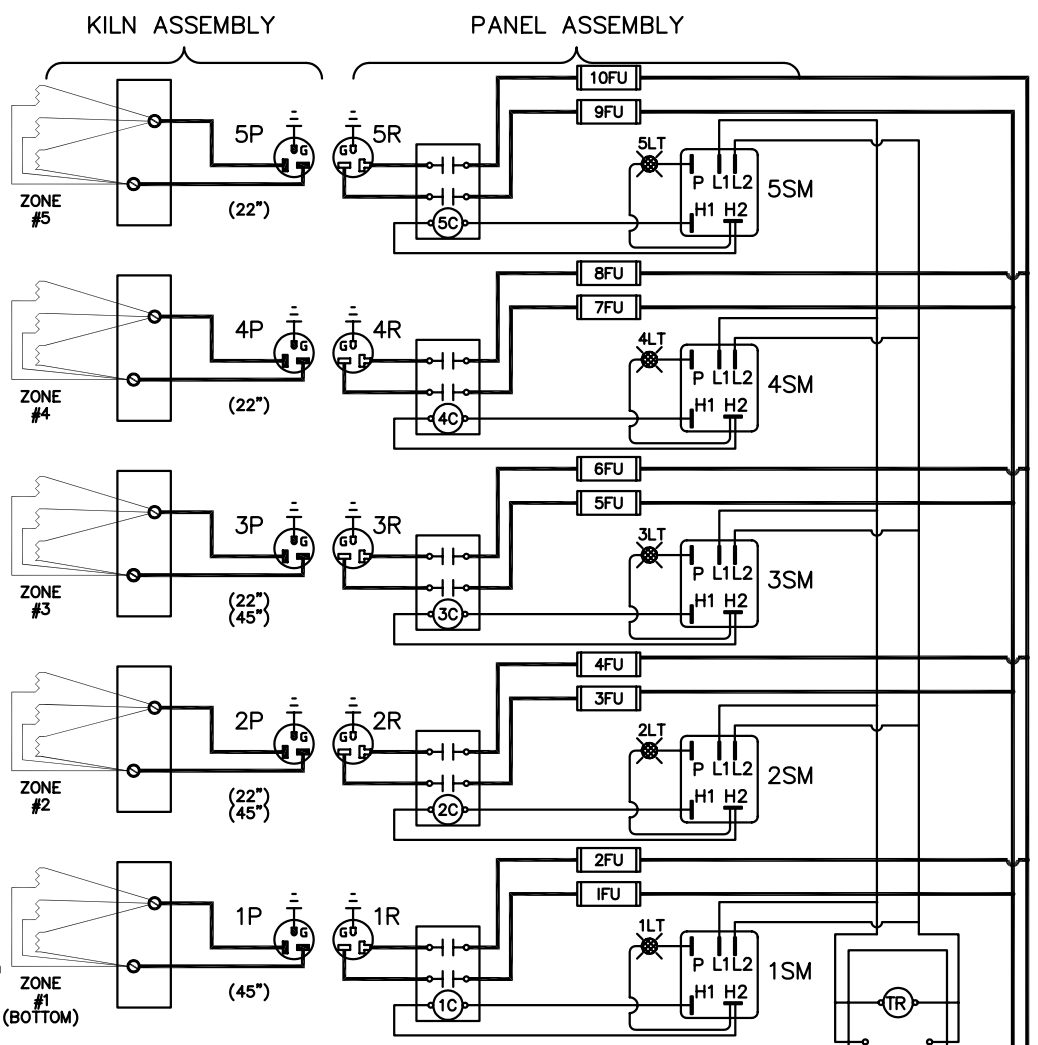
MODEL J2927 =
ZONES 1 THRU 3
3 – 9" RINGS

MODEL J2936 =
ZONES 1 THRU 4
4 – 9" RINGS

MODEL J2945
ZONES 1 THRU 5
5 – 9" RINGS



J2927 POWER REQUIREMENTS
208 VOLTS 1 PHASE 50–60 HZ 12.5 KW 60.0 AMPS 80 A Class H FUSES
220 VOLTS 1 PHASE 50–60 HZ 12.54 KW 57.0 AMPS 80 A Class H FUSES
240 VOLTS 1 PHASE 50–60 HZ 13.68 KW 57.0 AMPS 80 A Class H FUSES

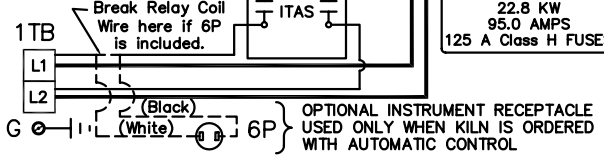
J2936 POWER REQUIREMENTS
208 VOLTS 1 PHASE 50–60 HZ 16.64 KW 80.0 AMPS 100 A Class H FUSES
220 VOLTS 1 PHASE 50–60 HZ 16.72 KW 76.0 AMPS 100 A Class H FUSES
240 VOLTS 1 PHASE 50–60 HZ 18.24 KW 76.0 AMPS 100 A Class H FUSES

J2945 POWER REQUIREMENTS
208 VOLTS 1 PHASE 50–60 HZ 20.8 KW 100.0 AMPS 125 A Class H FUSES
220 VOLTS 1 PHASE 50–60 HZ 20.9 KW 95.0 AMPS 125 A Class H FUSES
240 VOLTS 1 PHASE 50–60 HZ 22.8 KW 95.0 AMPS 125 A Class H FUSES

TO CONVERT TO AUTOMATIC CONTROL:

Contact Factory for information on adding 6P if not already included, and ordering and installing a separate Control System which plugs into 6P, and also has its own 115 Volt power cord.

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.



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 configured receptacle 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.

ELECTRICAL PARTS LIST

SYMBOL	QTY	DESCRIPTION	SHOP PART NO.	CUSTOMER PART NO.
1TB	1	POWER CONNECTION BOARD	E–TER–2X6095–A1	L–J–PB29/01
1TAS	1	DAWSON KILN SITTER W/ TIMER	T–DAW–LT3240–A1	N–G–LT30/00
C (240)	5	POWER CONTACTORS	E–CNT–D02521–A1	L–G–RL30/30
C (208)	5	POWER CONTACTORS	E–CNT–D02521–A2	L–G–RL30/20
SM (240)	5	INPUT ZONE SWITCHES	E–INF–240XXX–A1	L–J–INF0/30
SM (208)	5	INPUT ZONE SWITCHES	E–INF–208XXX–A1	L–J–INF0/20
LT	5	INPUT ZONE PILOT LIGHTS	E–PIL–SR250V–A1	L–G–PILO/00
FU	10	ELEMENT FUSES	E–FUS–NN2030–A1	L–G–FS30/NL
FUB	5	ELEMENT FUSE BLOCKS	E–FUB–H20302–A1	L–G–FH20/20
R	1	SINGLE RECEPTACLE NEMA 6–20R	E–REC–S20250–A1	L–J–SR20/00
R	2	DUPLEX RECEPTACLES NEMA 6–20R	E–REC–D20250–A1	L–J–DR20/00
P	VARIES	22" PLUGS NEMA 6–20P	E–CRD–322020–A1	L–J–JC29/00
P	VARIES	45" PLUGS NEMA 6–20P	E–CRD–345020–A1	L–J–JC45/00
H (240)	9–15	240 Volt HEATING ELEMENTS	.	E–J–2900/30
H (208)	9–15	208 Volt HEATING ELEMENTS	.	E–J–2900/20
H (220)	9–15	220 Volt HEATING ELEMENTS	.	E–J–2900/40
6P (opt)	1	INSTRUMENT RECEPTACLE	E–CNE–S302RP–A1	L–G–JNFM/00

REV#	DATE	REVISION DESCRIPTION
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.	.	.
A	11/16/09	UPDATED LOGO, ADDRESS, TITLE BLOCK, & BORDER
0	2/24/97	ISSUED AS REV 0 – NO CHANGES FROM REV P

L&L Kilns
hotkilns.com
505 SHARPTOWN ROAD
SWEDESBORO, NJ 08085
PHONE:(856) 294-0077
FAX: (856) 294-0070

TITLE: ECONO KILN WIRING DIAGRAM
MODELS J2927, J2936, & J2945
Complete with Dawson Kiln Sitter
208 or 220 or 240 Volts / 1 Phase

DRAWN BY	REV. CODE	DRAWING NO.
J.E.M.	A	K043-101
DATE 1/22/97	SCALE 1 = 8	
CHK .	APP .	
JOB NO STANDARD	SER NO ~	SHEET NO. | OF |
FILE NAME L:\E\L\LLKILN\JSERIES \K043-100.dwg	MADE FROM \K020-100.dwg	