



NOTES:

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

INSTRUMENT RECEPTACLE USED ONLY WITH AUTOMATIC CONTROL { 2P }
 Break Relay Coil Wire Here if 2P is Included.

SAFETY SWITCH BY CUSTOMER
 Connect to 240 Volt, 3 Wire, Three Phase - or 208 Volt, 3 Wire, Three Phase 50 or 60 Cycles.
SEE POWER REQUIREMENTS TABLE ABOVE, AND KILN NAMEPLATE AMP/VOLT RATINGS

POWER REQUIREMENTS	
208 VOLTS	3 PHASE
50-60 HZ	10.0 KW
27.7 AMPS	30 A Class H FUSES
240 VOLTS	3 PHASE
50-60 HZ	10.0 KW
24.0 AMPS	30 A Class H FUSES

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
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-INF0/30
SM (208)	3	INPUT ZONE SWITCHES	E-INF-208XXX-A1	L-J-INF0/20
LT	3	INPUT ZONE PILOT LIGHTS	E-PIL-SR250V-A1	L-G-PILO/00
K-SS	1	KEY ON/OFF SWITCH	E-INF-240XXX-A1	L-S-KS00/00
1LS	1	DOOR LIMIT SWITCH	E-LIM-BL29SX-A1	L-G-SWLM/00
2P	1	INSTRUMENT RECEPTACLE	E-CNE-S302RP-A1	L-G-JNFM/00
H (240)	6	240 Volt HEATING ELEMENTS	.	E-S-2418/30
H (208)	6	208 Volt HEATING ELEMENTS	.	E-S-2418/20
H (220)	6	220 Volt HEATING ELEMENTS	.	E-S-2418/40

C	11/2/09	UPDATED LOGO, ADDRESS, TITLE BLOCK, & BORDER
B	10/13/97	MAKE 3-PHASE CIRCUITS BALANCED
A	2/28/97	ELEMENTS CHANGED TO PARALLEL CIRCUITS
O	8/22/95	FIRST ISSUE
REV#	DATE	REVISION DESCRIPTION

505 SHARPTOWN ROAD
 SWEDESBORO, NJ 08085
 PHONE: (856) 294-0077
 FAX: (856) 294-0070

L&L Kilns
 hotkilns.com

TITLE: **MODEL SQ2418 WIRING DIAGRAM**

208 or 240 Volts / 3 Phase

DRAWN BY: G.D.L.	REV. CODE: C	DRAWING NO. K097-102
DATE: 8/22/95	SCALE: 1 = 8	
CHK: .	APP: .	
JOB NO: STANDARD	SER NO: -	SHEET NO. OF
FILE NAME: L:\E\LLKILN_(INACTIVE)\SQ-MODEL\K097-100.dwg		MADE FROM: SQ2418-3 (Manual L&L Mfg Dwg)