

Kiln ← → Panel

480 Volts

DIRECT WIRE TO
FUSED
DISCONNECT

FUSE SWITCH
DISCONNECT

POWER
DISTRIBUTION
BLOCK

OPTIONAL
HIGH-LIMIT
BACK-UP
CONTACTOR

POWER
CONTACTOR

SS
RELAY

O G

40A FUSE

40A FUSE

OPTIONAL
HIGH-LIMIT
BACK-UP
CONTACTOR

POWER
CONTACTOR

SS
RELAY

B G

40A FUSE

40A FUSE

OPTIONAL
HIGH-LIMIT
BACK-UP
CONTACTOR

POWER
CONTACTOR

SS
RELAY

P G

40A FUSE

40A FUSE

120 Volts

0.5A FUSE

ON/OFF

TCH+

TCH-

4 5 6 7 8 9 10

OPTIONAL
HIGH-LIMIT
CONTROLLER

FAN

4 3 2 1

12V TRANSFORMER

5 7 8

Low Voltage

CONTROL
RELAY

DOOR LIMIT SWITCH

O B P

GND

1 2

OUT4

SAFETY

OUT1

OUT2

OUT3

TC1 +

TC1 -

TC2 +

TC2 -

TC3 +

TC3 -

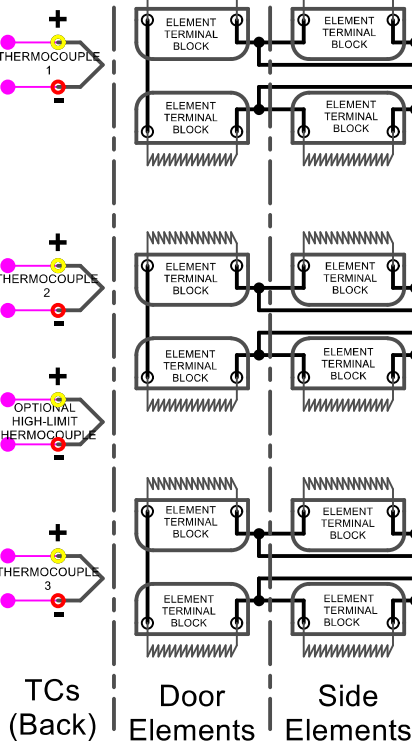
GND

AC2

CT

AC1

GENESIS
CONTROLLER



Wiring Information	
Power	6AWG / 150°C / 600V
Control	16AWG / 105°C / 600V
Power Supply Wire Gauge assumes 75°C Copper Wire. See hotkilns.com/wire-size.	

Model: EL2436-480-3P	
Voltage	480 / 3 / 50-60
Watts	19,000
Full Load Amps	L1 L2 L3
	22.9 22.9 22.9
Power Supply	Fuse Wire
	30A 10AWG
Side Elements:	E-Z-2436/3S
Quantity: 6	Ohms: 13.1
Door Elements:	E-Z-2436/3D
Quantity: 6	Ohms: 4.4

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 specification listed on the kiln nameplate. L&L Kiln Mfg., Inc., also recommends fuses rather than circuit breakers to prevent nuisance tripping.

EL2436 3 Phase 480V
480V



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Rev. Date Description C0053