

C-2121/SD4-HLC-U

480-VAC, 3-PHASE, 21-AMPS



C2121-SD-HLC-U-480-3ph.dwg
3/06

UPPER CHAMBER

DOOR LIMIT SWITCH

USE NORMALLY OPEN CONTACTS

CRYDOM ESR4840

BACK OF FURNACE ELEMENT CONNECTIONS

LEFT SIDE RIGHT SIDE

OUT
1 LINE LOAD 2
IN

CRYDOM ESR4840

OUT
1 LINE LOAD 2
IN

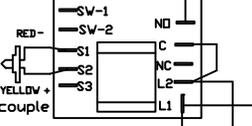
480 VOLT IN

TRANSFORMER ESSD9070T750D1

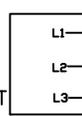
115 VOLTS OUTPUT

POTTER & BRUMFIELD PRD7AGD 120 VAC RELAY

LV MODEL HIGH LIMIT CONTROL



INCOMING 480 VOLT THREE PHASE POWER FROM DISCONNECT SWITCH



SQUARE D CLASS 2510 TYPE K01 SERIES A MOTOR STARTING SWITCH

WIRE IS #14 GAGE SF2 UNLESS OTHERWISE SPECIFIED.
T.C. = TYPE 'K' THERMOCOUPLE
G = GROUND

LOWER CHAMBER

DOOR LIMIT SWITCH DOOR LIMIT SWITCH

USE NORMALLY OPEN CONTACTS USE NORMALLY OPEN CONTACTS

CRYDOM ESR4840

BACK OF FURNACE ELEMENT CONNECTIONS

LEFT SIDE RIGHT SIDE

OUT
1 LINE LOAD 2
IN

CRYDOM ESR4840

OUT
1 LINE LOAD 2
IN

POTTER & BRUMFIELD PRD7AGD 120 VAC RELAY

WATLOW MODEL SD CONTROL

Thermocouple

FAN Motor #ESGE4680

PILOT LIGHT



PILOT LIGHT

