



CONTROL TRANSFORMER PRIMARY CONNECTIONS

INPUT VOLTS	TERMINALS		JUMPER LOCATION
	A	B	
230/240	(H1)	(H4)	(H1) TO (H3) (H2) TO (H4)
460/480	(H1)	(H4)	(H2) TO (H3)
600	(H1)	(H2)	NONE

WIRE NO.	WIRE NO.
107	107
108	108
109	109

CONTACT SEQUENCE CHART FOR S2
X - INDICATES CONTACT CLOSED

CONTACT	POSITION			MANUF. LOCATION /TYPE
	HAND	OFF	AUTO	
1	X			1RO
2			X	1LO
3	X			2RO

* SCHEMATIC SHOWS THIS POSITION.

CONTACT SEQUENCE CHART FOR S2
X - INDICATES CONTACT CLOSED

CONTACT	POSITION			MANUF. LOCATION /TYPE
	HAND	OFF	AUTO	
1	X			1RO
2			X	1LO
3			X	2LO

* SCHEMATIC SHOWS THIS POSITION.

- NOTES:**
- CONNECTED TO THE CABINET. CUSTOMER TO CONNECT THE CABINET GROUND LUGS TO EARTH GROUND AND UTILITY GROUND.
 - CONDUIT FITTINGS/HUBS SHALL COMPLY WITH THE STANDARD FOR CONDUIT, TUBING, AND CABLE FITTINGS, UL 514B.
 - WITHOUT THE CIRCUIT BREAKER (OPTION PC OR PE), OR DISCONNECT SWITCH OPTION PD, THE DISCONNECT MEANS MUST BE SUPPLIED BY THE CUSTOMER.
 - BRANCH CIRCUIT PROTECTION TO BE SUPPLIED BY THE CUSTOMER WHEN NOTED ON THE CABINET DATA NAMEPLATE.
 - INSULATED TWISTED SHIELDED WIRE IS REQUIRED. SHIELD TO CONNECT TO PROPER TERMINALS AS SHOWN. CONNECT THE SHIELD ONLY AT THIS END. STUB AND ISOLATE THE OTHER END. DO NOT RUN THESE WIRES IN THE SAME CONDUIT AS THE AC POWER AND AC CONTROL WIRES. KEEP ALL WIRING UNDER 50m IN LENGTH.
 - CUSTOMER TO ADJUST THE THERMOSTAT ON THE SPACE HEATER HR1 FOR THE MINIMUM DESIRED TEMPERATURE INSIDE THE DRIVE CABINET. THIS SET TEMPERATURE IS NORMALLY SELECTED TO BE SLIGHTLY HIGHER THAN THE MINIMUM AMBIENT TEMPERATURE OF THE AIR SURROUNDING THE CABINET, AND IS THE TEMPERATURE AT WHICH THE SPACE HEATER HR1 WILL SHUT OFF.
 - IF A CONTROL TRANSFORMER T1 POWER RATING OF 350VA OR GREATER, SECONDARY FUSE F6 IS ADDED.
 - IF AC MOTOR IS FURNISHED WITH A N.C. THERMAL SWITCH THEN SET DRIVE PARAMETER H1-08 TO 27. THIS WILL CAUSE THE DRIVE TO COAST TO STOP UPON AN AC MOTOR THERMAL FAULT. ALONG WITH THIS, ADD THE FOLLOWING CUSTOMER WIRING: WIRE THE N.C. THERMAL SWITCH BETWEEN DRIVE TERMINAL S8 OF THE 120VAC INTERFACE CARD AND ONE SIDE OF 120VAC SOURCE.
 - CUSTOMER MUST PROVIDE PROPER SHORT CIRCUIT PROTECTION AND MEANS OF DISCONNECT.
 - OPTIONS TD, TG, TH, OR TQ CONTROL (SEE UDE00370 FOR MORE INFORMATION)

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REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
01	CHG. _L_ WIRE NO.'S AND WIRING TO SPEED POT	3907	DRC	1/23/13
00	INITIAL RELEASE	-	KM	9/4/12

APPROVED	DATE	SIZE	REVISION	PAGE
D.R. CMELAK	9/4/12	D	01	1 of 1

SCHEMATIC DIAGRAM P1000 CONFIGURED TYPE 3R

REVISIONS

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01	CHG. _L_ WIRE NO.'S AND WIRING TO SPEED POT	3907	DRC	1/23/13
00	INITIAL RELEASE	-	KM	9/4/12

WIRE RANGE: (24-17) AWG
WIRE TORQUE: (1.95-2.21) LB-IN.

P1000 DRIVE

AC MOTOR * (T1) (T3)

OPTION PH 3% LOAD REACTOR

OPTION TZ MANUAL SPEED POT

OPTION TY HAND-OFF-AUTO SWITCH

OPTION PX 3% BUS REACTOR

OPTION PN DELTA-WYE CAPACITIVE INPUT FILTER

OPTION PR 3% INPUT REACTOR

OPTION PF DRIVE INPUT FUSES

OPTION P2 LIGHTNING PROTECTION

OPTION P3 SPACE HEATER

OPTION TV 120VAC INTERFACE

OPTION T2 MANUAL SPEED POT

OPTION T1 MANUAL SPEED POT

OPTION T3 MANUAL SPEED POT

OPTION T4 MANUAL SPEED POT

OPTION T5 MANUAL SPEED POT

OPTION T6 MANUAL SPEED POT

OPTION T7 MANUAL SPEED POT

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