



**CONTROL TRANSFORMER PRIMARY CONNECTIONS**

INPUT VOLTS	TERMINALS		JUMPER LOCATION
	A	B	
208	(H1)	(H2)	NONE
480/480	(H1)	(H4)	(H2) TO (H3)

**CONTACT SEQUENCE CHART FOR S3**  
X - INDICATES CONTACT CLOSED

CONTACT	POSITION			MANUF. LOCATION /TYPE
	HAND	OFF*	AUTO	
1			X	1R0
2	X			1L0

\* SCHEMATIC SHOWS THIS POSITION.

- NOTES:**
- CONNECTED TO THE CABINET. CUSTOMER TO CONNECT THE CABINET GROUND LUGS TO EARTH GROUND AND UTILITY GROUND.
  - INSULATED TWISTED SHIELDED WIRE IS REQUIRED. SHIELD TO CONNECT TO PROPER TERMINAL 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 THE AC CONTROL WIRES.
  - WITH A CONTROL TRANSFORMER, T1, POWER RATING 350VA OR GREATER, SECONDARY FUSE F6 IS ADDED.
  - FOR 208VAC APPLICATIONS, SET Z1000U DRIVE PARAMETER E1-05 TO 208.
  - WITHOUT THE INPUT CIRCUIT BREAKER OPTION PM, OR WHEN NOTED ON THE CABINET DATA NAMEPLATE, BRANCH CIRCUIT PROTECTION MUST BE SUPPLIED BY THE INSTALLER.
  - 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.
  - CONDUIT FITTINGS/HUBS SHALL COMPLY WITH THE 'STANDARD FOR CONDUIT, TUBING, AND CABLE FITTINGS, UL 514B'. OR CONDUIT FITTINGS HAVING THE SAME ENVIRONMENTAL RATING AS THE ENCLOSURE SHALL BE USED.
  - FOR APPLICATIONS WITH SPEED POT R1, SET Z1000U DRIVE PARAMETERS H3-06 TO 0 & S5-01 TO 1.

**RECEPTACLE TRANSFORMER PRIMARY CONNECTIONS & FUSING**

INPUT VOLTS	TRANSFORMER SYMBOL	FUSES	
		F8	F9
208	H1(A) H2(B) X1 X2	15A	15A
480/480	H1(A) H3(B) H2(C) H4(D) X1 X2	10A	10A

**REVISIONS**

REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
04	ADDED TB5 TO DRIVE	11178	NSL	3/24/21
03	UPDATED DRIVE BLOCK	11109	NSL	1/25/21
02	ADDED PARAMETERS H3-06 & S5-01	8368	NSL	1/29/18

**YASKAWA**

DRAWN BY: N. LAWS	CHECKED: D.R. CMELAK	DATE: 7/23/15	TITLE: SCHEMATIC DIAGRAM Z1000U CONFIGURED
APPROVED: K. FLIERL	TECH: N. LAWS	DATE: 7/24/15	DATE: 7/23/15

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