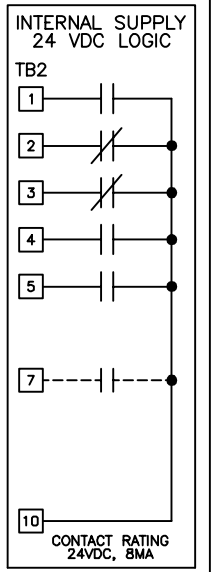


**CONTROL TRANSFORMER PRIMARY CONNECTIONS**

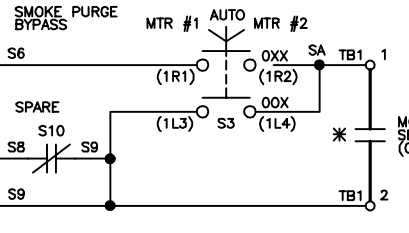
INPUT VOLTS	TERMINALS		JUMPER LOCATION
	A	B	
208	(H1)	(H2)	NONE
460/480	(H1)	(H4)	(H2) TO (H3)



PROGRAMMABLE CONTACT INPUTS DI-1/2/3/4/5/6/7/8

- DI-1 RUN (AUTO MODE)
- DI-2 RUN ENABLE (SAFETY)
- DI-3 RUN INTERLOCK (BAS)
- DI-4 REMOTE TRANSFER
- DI-5 SMOKE PURGE BYPASS
- DI-6 S6
- DI-7 SPARE
- DI-8 S8
- DI-9 S9
- IG24 9
- IG24 10
- 11 SHIELD GROUND
- 12 SHIELD GROUND

**ELECTRONIC BYPASS CONTROL PCB**  
P/N UTC00046x  
A2



PROGRAMMABLE RELAYS DO-7/8/9/10

AS SELECTED BY ELECTRONIC BYPASS CONTROL PARAMETERS Z2-23 TO Z2-26

CONTACTS FOR CUSTOMER USE  
RATED: 2A, 24VDC/120VAC +/- 15% MAX.

CUSTOMER MUST PROVIDE PROPER SHORT CIRCUIT PROTECTION AND MEANS OF DISCONNECT.

- RS485 SERIAL COMMUNICATION SELECTIONS AVAILABLE:
1. MODBUS
  2. N2 / METASYS
  3. FLN / APOGEE
  4. BACNET (FACTORY SETTING)

HOA OPERATOR  
PART NUMBER JVOP-183

- NOTES:**
1. CUSTOMER TO CONNECT THE CABINET GROUND LUG TO EARTH GROUND.
  2. 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.
  3. WITH A CONTROL TRANSFORMER, T1, POWER RATING 350VA OR GREATER, SECONDARY FUSE F6 IS ADDED.
  4. CHANGING Z1-01 TO "1" WILL PROGRAM THE DRIVE AND BYPASS PARAMETERS TO THEIR FACTORY DEFAULT SETTINGS.
  5. SET Z1-11 TO 4 AND Z2-06 TO 27.
  6. FOR 208VAC APPLICATIONS, SET E1-01 TO 208 AND SET E1-05 TO 208.
  7. THE MOTOR OVERLOAD RELAY IS FACTORY SET FOR MANUAL RESET. CUSTOMER TO ADJUST THE MOTOR OVERLOAD RELAY TRIP SETTING FOR THE ACTUAL AC MOTOR'S FULL LOAD AMPS.
  8. 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.

**REVISIONS**

REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
01	REMOVE TG & TH OPTIONS FROM P1000 BYPASS	12946	JZ	3/13/23
00	INITIAL RELEASE	-	D. PACKER	11/30/13

**YASKAWA**

DRAWN BY D. CMELAK	DATE 11/30/13	TITLE SCHEMATIC DIAGRAM P1000 ELECTRONIC BYPASS
CHECKED BY D. PACKER	DATE 11/30/13	TECH OPTION PY
APPROVED BY K. FLIERL	DATE 11/30/13	SIZE D
ORIGINAL DESIGN BY D. CMELAK	DATE 11/30/13	REVISION 01
		PAGE 1 of 1