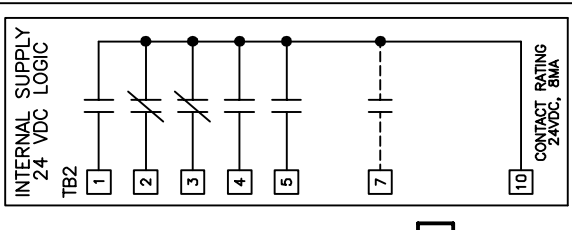


CONTROL TRANSFORMER PRIMARY CONNECTIONS

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



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

RUN (AUTO MODE)
RUN ENABLE (SAFETY)
RUN INTERLOCK (BAS)
REMOTE TRANSFER
SMOKE PURGE BYPASS
MTR #1 AUTO MTR #2
SPARE S10
SB S9
S9

DO-1
DO-2
DO-3
DO-4
DO-5
DO-6
DO-7
DO-8
DO-9
DO-10

IG24
IG24
IG24
IG24
IG24
IG24
IG24
IG24
IG24
IG24

24V COMMON
SHIELD GROUND
SHIELD GROUND

PROGRAMMABLE RELAYS
DO-7/8/9/10
AS SELECTED BY ELECTRONIC BYPASS PARAMETERS
Z2-23 TO Z2-26

CONTACTS FOR CUSTOMER USE
RATED: 2A, 24VDC/120VAC +/- 15% MAX.
CUSTOMER MUST PROVIDE PROPER SHORT CIRCUIT PROTECTION 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

101 FROM CUSTOMER'S A.C. LINES SEE NOTE 6
102 L1 (1)
103 L2 (2)
104 L3 (3)
105 L1 (4)
106 L2 (5)
107 L3 (6)
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- NOTES:**
- CUSTOMER TO CONNECT THE CABINET GROUND LUG TO EARTH GROUND.
 - INSULATED TWISTED SHIELDED WIRE IS REQUIRED. CONNECT TO 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.
 - CHANGING Z1-01 TO "1" WILL PROGRAM THE DRIVE AND BYPASS PARAMETERS TO THEIR FACTORY DEFAULT SETTINGS.
 - SET Z1-11 TO 4 AND Z2-06 TO 27.
 - FOR 208VAC APPLICATIONS, SET E1-01 TO 208 AND SET E1-05 TO 208.
 - 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.
 - 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 #	DATE	DRAWN BY
00	INITIAL RELEASE	-	11/30/13	D. PACKER

YASKAWA

DATE	FILE	DATE	FILE
11/30/13	D. PACKER	11/30/13	P1000 ELECTRONIC BYPASS
11/30/13	D. CMELAK	11/30/13	2-MTR OR OPTION PY
11/30/13	K. FLIERL	11/30/13	REVISED
11/30/13	D. PACKER	11/30/13	REVISED

* - INDICATES COMPONENTS NOT SUPPLIED BY YASKAWA.
- - - INDICATES CUSTOMER WIRING.
// - CONNECTED TO THE CABINET OR PANEL.