



**CONTROL TRANSFORMER PRIMARY CONNECTIONS**

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

**BLOWER MOTOR FOR P1000 CONFIG.**

FLA RATING	AMPS	VOLTS
3.0	2.2 - 360	240
1.5	1.6 - 477	480
3.0	515 - 660	480
1.2	1.3 - 242	600

**CONTROL TRANSFORMER AND CABINET BLOWER(S) IF PRESENT**

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

**OPTION TB BLOWER MOTOR STARTER**

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

**OPTION TY HAND-OFF-AUTO SWITCH**

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

**OPTION TV 120VAC INTERFACE PCB**

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

**OPTION TD, TG, TH OR TQ CONTACT SEQUENCE CHART FOR S2**

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

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

**OPTION TD, TG, TH OR TQ CONTACT SEQUENCE CHART FOR S2**

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

**OPTION TD, TG, TH OR TQ CONTACT SEQUENCE CHART FOR S2**

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

- CONNECTED TO THE CABINET. CUSTOMER TO CONNECT THE CABINET GROUND LUG TO EARTH GROUND.
- CONDUIT FITTINGS/HUBS SHALL COMPLY WITH THE 'STANDARD FOR CONDUIT, TUBING, AND CABLE FITTINGS, UL 514B', OR CONDUIT FITTINGS/HUBS HAVING THE SAME ENVIRONMENTAL RATING AS THE ENCLOSURE SHALL BE USED.
- 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.
- FOR 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 A AC MOTOR THERMAL FAULT. ALONG WITH THIS, ADD THE FOLLOWING CUSTOMER WIRING: WIRE THE N.C. THERMAL SWITCH BETWEEN TERMINAL S8 OF THE 120VAC INTERFACE CARD AND ONE SIDE OF THE 120VAC SOURCE.
- CUSTOMER MUST PROVIDE PROPER SHORT CIRCUIT PROTECTION AND MEANS OF DISCONNECT.
- OPTIONS TD, TG, TH OR TQ CONTROL (SEE UDE00358 FOR MORE INFORMATION)

- NOTES:**
- CONNECTED TO THE CABINET. CUSTOMER TO CONNECT THE CABINET GROUND LUG TO EARTH GROUND.
  - CONDUIT FITTINGS/HUBS SHALL COMPLY WITH THE 'STANDARD FOR CONDUIT, TUBING, AND CABLE FITTINGS, UL 514B', OR CONDUIT FITTINGS/HUBS HAVING THE SAME ENVIRONMENTAL RATING AS THE ENCLOSURE SHALL BE USED.
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  - CUSTOMER MUST PROVIDE PROPER SHORT CIRCUIT PROTECTION AND MEANS OF DISCONNECT.
  - OPTIONS TD, TG, TH OR TQ CONTROL (SEE UDE00358 FOR MORE INFORMATION)

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

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DRAWN BY: K. MALUSIC  
 CHECKED BY: D.R. CMELAK  
 DATE: 9/4/12  
 TITLE: SCHEMATIC DIAGRAM P1000 CONFIGURED TYPE 12

DATE: 9/4/12  
 DRAWING NO.: DS.P1C12.03

**OPTION TB BLOWER MOTOR STARTER**

WIRE RANGE: (18-14) AWG  
 WIRE TORQUE: 15 LB.-IN.

OPTION TY HAND-OFF-AUTO SWITCH

OPTION TV 120VAC INTERFACE PCB

OPTION TD, TG, TH OR TQ

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