

CONTROL TRANSFORMER PRIMARY CONNECTIONS		
INPUT VOLTS	TERMINALS	
	A	B
460/480	(H1)	(H4) (H2 TO (H3))

CONTROL TRANSFORMER AND CABINET BLOWER(S)

CONTROL TRANSFORMER (X1) (X2)

CABINET THERMOSTAT FACTORY SETTING: 90 DEG. F

OPTION TB BLOWER MOTOR STARTER

OPTION TY HAND-OFF-AUTO SWITCH WITHOUT SERIAL COMM. OPTIONS T3, TC, TD, TG, TH OR TQ

CONTACT SEQUENCE CHART FOR S2 X - INDICATES CONTACT CLOSED

OR

OPTION TY HAND-OFF-AUTO SWITCH WITH SERIAL COMM. OPTIONS T3, TC, TD, TG, TH OR TQ

CONTACT SEQUENCE CHART FOR S2 X - INDICATES CONTACT CLOSED

OR

OPTION TZ MANUAL SPEED POT

OPTION TB BLOWER MOTOR STARTER

OPTION TY HAND-OFF-AUTO SWITCH WITHOUT SERIAL COMM. OPTIONS T3, TC, TD, TG, TH OR TQ

CONTACT SEQUENCE CHART FOR S2 X - INDICATES CONTACT CLOSED

OR

OPTION TY HAND-OFF-AUTO SWITCH WITH SERIAL COMM. OPTIONS T3, TC, TD, TG, TH OR TQ

NOTES:

- CUSTOMER TO CONNECT FIELD GROUND WIRING TO THE CABINET GROUND LUG.
- 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.
- WITHOUT THE 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.
- 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 DRIVE TERMINALS S8 AND SN, AS PER NOTE 5 ABOVE.
- OPTIONS T3, TC, TD, TG, TH OR TQ CONTROL (SEE UDE00579 OR UDE00600 FOR MORE INFORMATION):
OPTION T3 = MPE CARD
OPTION TC = PROFINET
OPTION TD = ETHERNET/IP
OPTION TG = DEVICENET
OPTION TH = PROFIBUS
OPTION TQ = ETHERNET MODBUS TCP/IP
- CUSTOMER MUST PROVIDE PROPER SHORT CIRCUIT PROTECTION AND MEANS OF DISCONNECT.
- HIGH CABINET TEMPERATURE DRIVE FAULT, FACTORY SET TO 140 F (60 C).

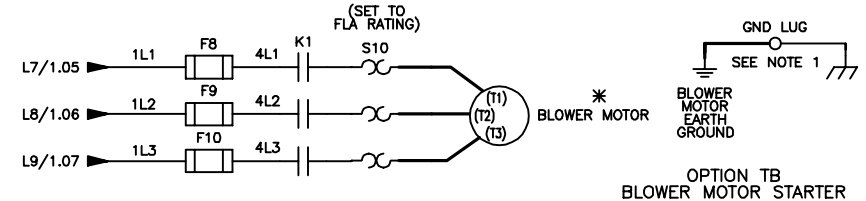
CONTACT	POSITION			MANUF. LOCATION /TYPE
	HAND	OFF*	AUTO	
1	X			1RO
2			X	1LO
3	X			2RO

* SCHEMATIC SHOWS THIS POSITION.

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

* SCHEMATIC SHOWS THIS POSITION.

BLOWER MOTOR		
FLA RATING	FOR GA800 CONFIG.	VOLTS
3.0	B10 - 1200	480



DRAWINGS		
TYPE	CUSTOMER CONNECTION	DRIVE PARAMETER SETTINGS
	TYPE 1 UDE00577	UDE00579
TYPE	TYPE 12 UDE00598	UDE00600

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
01	ADDED TS2, K16 AND REMOVED K6, B9 - B12	14324	KAP	2/20/25
00	INITIAL RELEASE	---	KAP	3/19/24

YASKAWA

THIS DOCUMENT AND INFORMATION CONTAINED IN IT ARE CONFIDENTIAL, AND CANNOT BE COPIED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF YASKAWA AMERICA INC.

DRAWN BY K. PEOPLES	CHECKED K. MALUSIC	DATE 3/19/24	TITLE SCHEMATIC DIAGRAM GA800 CONFIGURED NORMAL DUTY RATING TYPE 1 AND 12
APPROVED R. JENSEN	DATE 3/21/24	DATE 3/19/24	SIZE D
ORIGINAL DESIGN K. PEOPLES	DATE 3/19/24	REVISION 01	PAGE 1 of 1

DS.G8C112.02