


CUSTOMER WIRING REQUIREMENTS

- FOR 0 TO 100 AMPS, USE A MINIMUM OF 60° - 75° C COPPER WIRE.
- FOR ABOVE 100 AMPS, USE A MINIMUM OF 75° C COPPER WIRE.

TABLE 1		A.C. LINE WIRING								CONTROL WIRING			
Z1000 CONFIGURED MODEL NO. BASE NUMBER Z1C_XXXX		WITH OPTION PC OR PM CIRCUIT BREAKER CB1				STANDARD NON-FUSED INPUT DISCONNECT SWITCH S1				A1 TERMINAL BLOCKS TB1-TB4 AND PANEL MOUNTED TERMINAL BLOCK TB1		A1 TERMINAL BLOCK TB5 (FE)	
208V	480V	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
D002	B001	H__36015	15	14 - 10	50	V0	20	14 - 8	19	24 - 16	4.4 - 5.3	14 - 22	4.4 - 5.3
D003	B002			OR	OR								
D004	B003			8 - 3/0	120								
D006	B004												
D007	B007												
D010	B011	H__36020	20										
	B014	H__36025	25										
D016		H__36030	30			V3	45	12 - 6	40				
	B021	H__36035	35					OR	OR				
D024		H__36040	40					6 - 2	50				
	B027	H__36045	45										
D030	B034	H__36050	50			V4	63						
	B040	H__36060	60										
D046		H__36070	70			V5	100	8 - 2/0	200				
	B052	H__36080	80										
D059	B065	H__36100	100										
D074	B077	H__36110	110										
	B096	H__36150	150			V6	115						
D088						H__36000S15	150	8 - 3/0	120				
D114	B124	J__36175	175	4 - 4/0	225	J__36000S17	175	4 - 4/0	225				
D143	B156	J__36250	250	3/0 - 350 kcmil	225	J__36000S25	250	3/0 - 350 kcmil					
D169	B180												
D211	B240	L__36400U31X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442	L__36000S40X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442				
D273													
	B302					L__36000S60X	600						
D343	B361	L__36600U31X	600										
D396	B414												
	B477	P__3_080	800	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450	P__34000S80	800	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450				
	B515												
	B590												

TABLE 2		A.C. MOTOR WIRING										EARTH GROUND WIRING	
Z1000 CONFIGURED MODEL NO. BASE NUMBER Z1C_XXXX		WITHOUT OPTION PK, PA, OR PY TO STANDARD AC DRIVE	OR, WITH OPTION PK LOAD REACTOR L4			OR, WITH OPTION PA MOTOR OVERLOAD RELAYS			OR, WITH OPTION PY A.C. CONTACTORS			GROUND LUG	
208V	480V		MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	B001	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75°C COPPER WIRE ONLY	RLW-02P10_	22 - 10	4.5	LRD05	18 - 8	15	LC1D09	18 - 10	15	14 - 10	35
D002	B002		RLW-03P40_			LRD06							
D003	B003		RLW-04P80_			LRD07							
D004	B004		RLW-07P60_			LRD1508						OR	OR
D006	B007		RLW-00110_			LRD1510						8	40
D007			RLW-00140_			LRD1512			LC1D18	18 - 8			
D010	B011		RLW-00210_	14 - 6	16	LRD1514			LC1D25	14 - 6	20		
	B014		RLW-00280_			LRD1516			LC1D32			OR	OR
D016			RLW-00350_			LRD1521			LC1D40A	16 - 2	70		
D024	B027		RLW-00460_			LRD1522			LC1D50A			6 - 4	45
D030	B034		RLW-00550_	6 - 1/0	45	LRD1532			LC1D65A			OR	OR
D046	B040		RLW-00650_			LRD1532			LC1D80	10 - 2	100		
	B052		RLW-00830_			LRD1532			LC1D115	(1) 8 - 1/0 & (1) 8 - 250 kcmil			
D059	B065		RLW-01040_			LRD340L	16 - 2	70				OR	OR
D074	B077		RLW-01300_			LRD350L							
D088	B096		RLW-01600_	2 - 1	150	LRD365L						2	50
D114	B124		RLW-02000_	OR	OR	LR2D3563	10 - 1/0	100				14 - 2/0	120
D143	B156		RLW-02500_	1/0 - 2/0	180	LR9-F5567	6 - 3/0	200					
	B180		RLW-03220_	OR	OR								
D169	B180		RLW-04140_	3/0 - 4/0	250	LR9-F5569			LC1F500	(1-2) x (2 - 600 kcmil)	(1-2) x 500		
D211	B240		RLW-05150_	250 - 350 kcmil	325	LR9-F5571	6 - 300 kcmil	275					
D273	B302		RLW-06000_	(1 - 2) x (6 - 350 kcmil)	(1 - 2) x (375)	LR9-F7575	(1-2) x (2 - 600 kcmil)	(1-2) x 500				6 - 250 kcmil	275
D343	B361		RLW-07500_										
D396	B414												
	B477												
	B515												
	B590												

	DRAWN BY: D. PACKER	DATE: 06/08/13	TITLE: CUSTOMER CONNECTION Z1000 CONFIGURED TYPE 12	
	CHECKED: D. CMELEK	DATE: 06/08/13		
	TECH:	DATE:		
	APPROVED: K. FLIERL	DATE: 06/08/13	SIZE: C	REVISION: 00
ORIGINAL DESIGN: D. PACKER		DATE: 06/08/13	DRAWING #: UDE00426	

REVISIONS			
REV.	DESCRIPTION	ECO #	DRAWN BY DATE
00	INITIAL RELEASE	-	DJP 6/08/13