


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 CONFIG. MODEL NO. BASE NUMBER Z1C_XXXX		WITH OPTIONS PC OR PM CIRCUIT BREAKER CB1				OR, STANDARD NON-FUSED INPUT DISCONNECT SWITCH S1				A1 TERMINAL BLOCKS TB1-TB4		A1 TERMINAL BLOCK TB5 (FE)		PANEL TERMINAL BLOCK TB1	
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.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	B001	H__36015	15	14 - 10	50	H__36000S15	150	14 - 10	50	24 - 16	4.4 - 5.3	22 - 14	4.4 - 5.3	24 - 16	4.4 - 5.3
D002	B002			OR	OR			OR	OR						
D003	B003			8 - 3/0	120			8 - 3/0	120						
D004	B004														
D006	B007	H__36020	20												
D007															
D010	B011	H__36025	25												
	B014	H__36030	30												
D016		H__36035	35												
	B021	H__36045	45												
D024		H__36050	50												
D030	B027	H__36060	60												
	B034														
	B040	H__36070	70												
D046		H__36080	80												
	B052	H__36090	90												
D059		H__36110	110												
	B065	H__36125	125												
D074	B077	H__36150	150												
D088															
	B096	J__36175	175	4 - 4/0	225										
D114		J__36200	200												
	B124					J__36000S17	175	4 - 4/0	225						
D143	B156	J__36250	250	3/0 - 350 kcmil	225	J__36000S25	250	3/0 - 350 kcmil	225						
D169	B180	L__36400U31X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442										
D211	B240					L__36000S40X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442						
D273	B302														
D343		L__36600U31X	600			L__36000S60X	600								
D396	B361														
	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		NEUTRAL		
Z1000 CONFIG. MODEL NO. BASE NUMBER Z1C_XXXX		WITHOUT OPTIONS 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 LUGS		TERMINAL BLOCK TBN1	
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.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	
	B001	RLW-02P10_	22 - 10	4.5	LRD05	18 - 8	15	LC1D09	18 - 10	15	14 - 10	35	16 - 10	35	
D002	B002	RLW-03P40_			LRD06						OR	OR	OR	OR	
D003	B003	RLW-04P80_			LRD07						8	40	8	40	
D004	B004	RLW-07P60_									OR	OR	OR	OR	
D006	B007	RLW-00110_			LRD1508						6 - 4	45	6 - 4	45	
D007											OR	OR			
D010	B011	RLW-00140_			LRD1510						2 - 1/0	50			
	B014	RLW-00210_	14 - 6	16	LRD1512			LC1D18	18 - 8						
D016					LRD1514										
	B021	RLW-00280_			LRD1516			LC1D25	14 - 6	20					
D024		RLW-00350_													
	B027				LRD1521			LC1D32			14 - 2/0	120	14 - 10	35	
D030		RLW-00460_											OR	OR	
	B034							LC1D40	16 - 2	70			8	40	
D046	B040	RLW-00550_	6 - 4	45	LRD1522								OR	OR	
	B052	RLW-00650_	OR	OR	LRD1532			LC1D50					6 - 2/0	120	
D059		RLW-00830_	2 - 1/0	50											
	B065				LRD340L	16 - 2	70	LC1D65							
D074	B077	RLW-01040_						LC1D80	10 - 2	100					
D088		RLW-01300_	2, 1	150	LRD350L			LC1D115	(1) 8 - 1/0 & (1) 8 - 250 kcmil						
	B096	RLW-01600_	OR	OR	LRD365L						(1-2) x (6 - 250 kcmil)	(1-2) x 275	6 - 350 kcmil	275	
D114	B124	RLW-01600_	1/0, 2/0	180											
D143		RLW-02000_	OR	OR	LR2D3563	10 - 1/0	100								
	B156		3/0, 4/0	250	LR9-F5567	6 - 3/0	200								
D169	B180	RLW-02500_	3/0, 4/0,	250,											
	B240	RLW-03220_	(250 - 350) kcmil	325	LR9-F5569			LC1F500	(1-2) x (2 - 600 kcmil)	(1-2) x 500					
			OR	OR											
			(400 - 500) kcmil	375											
D211		RLW-03220_	(1-2) x (6 - 350 kcmil)	(1-2) x 375											
D273		RLW-04140_													
	B302				LR9-F5571	6 - 300 kcmil	275								
D343	B361	RLW-05150_													
D396	B414	RLW-06000_	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR			LR9-F7575	(1-2) x (2 - 600 kcmil)	(1-2) x 500							
	B477														
	B515														
	B590														

				DRAWN BY: D.R. CMELAK	DATE: 07/30/13	TITLE: CUSTOMER CONNECTION Z1000 CONFIGURED 50C
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				ORIGINAL DESIGN: D.R. CMELAK	DATE: 07/30/13	DRAWING #: UDE00430

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REV.	DESCRIPTION	ECO#	DATE
00	INITIAL RELEASE	-	7/30/13