

**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			
P1000 BYPASS MODEL NO. BASE NUMBER P1B_XXXX		WITH STANDARD, OR OPTION PM, CIRCUIT BREAKER CB1			
208V	480V	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
D002	B001	H_36015	15	14 - 10 OR 8 - 3/0	50 OR 120
D003	B002				
D004	B003				
	B004				
D006	B007	H_36020	20		
D007					
D010	B011	H_36025	25		
	B014	H_36035	35		
D016		H_36040	40		
	B021	H_36050	50		
D024	B027	H_36060	60		
D030	B034	H_36070	70		
	B040	H_36080	80		
D046	B052	H_36110	110		
D059		H_36125	125		
	B065	H_36150	150		
	B077				
	B096				
D074					
D088					
D114					
	B124	J_36250	250	4 - 4/0	225
D143	B156			3/0 - 350 kcmil	225
D169	B180				
D211		L_36400U31X	400	(1-2) x	(1-2) x 442
D273	B240	L_36600U31X	600	(2/0 - 500 kcmil)	
	B302				
D343	B361	P_34060	600	(1-3) x	(1-3) x 450
D396	B414				
	B477				
	B515	P_34080	800		
	B590				

TABLE 2		A.C. MOTOR WIRING									EARTH GROUND WIRING		CONTROL WIRING			
P1000 BYPASS MODEL NO. BASE NUMBER P1B_XXXX		STANDARD BYPASS MOTOR OVERLOAD RELAY			OR, WITH OPTION PA MOTOR OVERLOAD RELAYS			OR, WITH OPTION PY A.C. CONTACTORS			GROUND LUG		DRIVE A1 AND PANEL MOUNTED TERMINAL BLOCK TB1		BYPASS CONTROL PCB A2 TERMINAL BLOCKS TB1 - TB3	
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.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	B001	LRD06	18 - 8	15	LRD05	18 - 8	15	LC1D09	18 - 10	15	14 - 10	35	24 - 16	4.4 - 5.3	26 - 12	4
D002	B002	LRD07														
D003	B003	LRD15														
D004	B004															
D006	B007															
D007																
D010	B011															
	B014															
D016																
D024	B021															
D030	B027															
	B034	LRD340L	16 - 2	70				LC1D18	18 - 8		8	40	OR	OR		
	B040															
D046		LRD350L														
D059	B052	LRD365L														
	B065	LR2 D35	10 - 1/0	100	LRD340L	16 - 2	70	LC1D65	10 - 2	100	OR	OR				
D074	B077															
D088	B096	LR9-F5567	6 - 3/0	200	LRD350L	6 - 3/0	200	LC1D115	(1) 8 - 1/0 & (1) 8 - 250 kcmil		2	50	OR	OR		
D114	B124	LR9-F5569														
D143																
D169	B156	LR9-F5571	6 - 300 kcmil	275		6 - 300 kcmil	275	LC1D50	(1-2) x (2 - 600 kcmil)	(1-2) x 500	14 - 2/0	120				
	B180															
D211	B240	LR9-F7575	(1-2) x (2 - 600 kcmil)	(1-2) x 500	LR9-F5569	6 - 300 kcmil	275	LC1F500	(1-2) x (2 - 600 kcmil)	(1-2) x 500	6-250 kcmil	275				
D273																
D343	B302	LR9-F7579	(1-3) x (2 - 600 kcmil)	(1-3) x 500	LR9-F5571	(1-2) x (2 - 600 kcmil)	(1-2) x 500									
D396	B361															
	B414	LR9-F7581														
	B477															
	B515															
	B590															

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
00	INITIAL RELEASE	-	DRC	11/12/13



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<b>DRAWN BY:</b> D.R. CMELAK	<b>DATE:</b> 11/12/13	<b>TITLE:</b> CUSTOMER CONNECTION P1000 BYPASS		
<b>CHECKED:</b> D. PACKER	<b>DATE:</b> 11/12/13			
<b>TECH:</b>	<b>DATE:</b>			
<b>APPROVED:</b> K. FLIERL	<b>DATE:</b> 11/12/13	<b>SIZE:</b> C	<b>REVISION:</b> 00	<b>PAGE:</b> 1 of 1
<b>ORIGINAL DESIGN:</b> D.R. CMELAK	<b>DATE:</b> 11/12/13	<b>DRAWING #:</b> UDE00447		