

Z1000U CONFIGURED			POWER				SIGNAL			CONTROL			EXTERNAL POWER	GROUND	
			105°C PVC, FOR 18 AWG TO 350 MCM (BLACK) SEE NOTE 6				UWR-0639	UWR-1554	UWR-1555	UWR-0641	M3508 1180001	M3508 1180009	M3508 1180006	M3508_-----	
INPUT VOLTS	DRIVE PART NO. CIMR-ZU__ (SEE NOTE 5)	Z1000U STD. BASE. NO.	INPUT WIRING	OUTPUT WIRING		TO CPT (F_)/(H_)	JUMPER DSR+, DSR- WIRE NO. A_ F_, H_, R_, S_ _V, 1-99 (BLUE)	2 COND. 22 AWG SHIELDED (SEE NOTE 3) WIRE NO. DSR+, DSR-	TO SPEED POT R1 3 COND. 22 AWG SHIELDED (SEE NOTE 4) WIRE NO. A1, AC, +V	WIRE NO. D_ (BLUE)	TO CPT(X2) WIRE NO. 100-109 (WHITE)	WIRE NO. M_ 110-599 (RED)	WIRE NO. 600-799 (YELLOW)	1140004	1__0004 (GREEN)
			STANDARD	OUTPUT AMPS	STANDARD	WIRE NO. _L_								WIRE NO. _T_	CPT(X2), TO PANEL, CABINET, DOOR,FAN (GRN)
208	2*0028	D024	10	24.2	10	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	10
208	2*0042	D030	8	30.8	8	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	8
208	2*0054	D046	6	46.2	6	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	6
208	2*0068	D059	4	59.4	4	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	6
208	2*0081	D074	4	74.8	4	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	6
208	2*0104	D088	4	88	2	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	4
208	2*0130	D114	2	114	2	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	4
208	2*0154	D143	1/0	143	1/0	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	4
208	2*0192	D169	2/0	169	2/0	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	2
208	2*0248	D211	3/0	211	(2) 1/0	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	2
480	4*0011	B011	14	11	14	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	10
480	4*0014	B014	14	14	14	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	10
480	4*0021	B021	12	21	10	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	10
480	4*0027	B027	10	27	10	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	10
480	4*0034	B034	8	34	8	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	8
480	4*0040	B040	8	40	6	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	8
480	4*0052	B052	8	52	6	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	6
480	4*0065	B065	6	65	6	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	6
480	4*0077	B077	4	77	4	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	6
480	4*0096	B096	2	96	2	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	4
480	4*0124	B124	2	124	1	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	4
480	4*0156	B156	1/0	156	2/0	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	4
480	4*0180	B180	3/0	180	3/0	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	2
480	4*0240	B240	4/0	240	(2) 1/0	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	1
480	4*0302	B302	(2) 2/0	302	(2) 2/0	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	1
480	4*0361	B361	(2) 2/0	361	(2) 3/0	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	1/0
480	4*0414	B414	(2) 4/0	414	(2) 4/0	14	22	22	22	18	SEE NOTE 7	SEE NOTE 8	18	14	1/0


NOTES:

1. THE WIRE GAUGE IN THIS TABLE HAS BEEN SELECTED PER UL 508A TABLE 15.1, TABLE 28.1 AND TABLE 38.1.
2. FOR GROUND WIRE LARGER THAN 1/0, USE BLACK POWER WIRE AND ADD GREEN ELECTRICAL TAPE AT EACH END.
3. USE CLEAR CONDUCTOR FOR WIRE DSR+ AND USE BLACK CONDUCTOR FOR WIRE DSR-
4. STUB AND ADD SHRINK TUBING OVER THE SHIELD ON THE SPEED POT R1 SIDE OF THE SHIELDED CABLE.
5. \* = CAN BE FILLED IN WITH EITHER AN 'E' OR 'U'.
6. USE WIRE AS FOLLOWS:

GAUGE	WIRE NUMBER	GAUGE	WIRE NUMBER
18	UWR-0238	2	UWR-0246
16	UWR-0239	1	UWR-0247
14	UWR-0240	1/0	UWR-0248
12	UWR-0241	2/0	UWR-0249
10	UWR-0242	3/0	UWR-0250
8	UWR-0243	4/0	UWR-0251
6	UWR-0244	250 kcmil	UWR-0660
4	UWR-0245	350 kcmil	UWR-0587

7. USE 18 GAUGE WHITE FOR WIRING TO CPT(X2) OF A CIRCUIT CONTAINING NO FUSE.  
USE 18 GAUGE WHITE FOR WIRING TO CPT(X2) OF A CIRCUIT CONTAINING A FUSE RATED 7 AMPS, OR LESS.  
USE 16 GAUGE WHITE FOR WIRING TO CPT(X2) OF A CIRCUIT CONTAINING A FUSE RATED GREATER THAN 7 AMPS, AND LESS THAN OR EQUAL TO 10 AMPS.  
USE 14 GAUGE WHITE FOR WIRING TO CPT(X2) OF A CIRCUIT CONTAINING A FUSE RATED GREATER THAN 10 AMPS, AND LESS THAN OR EQUAL TO 15 AMPS.
8. USE 18 GAUGE RED FOR WIRING CONTAINING NO FUSE.  
USE 18 GAUGE RED FOR WIRING CONTAINING A FUSE RATED 7 AMPS, OR LESS.  
USE 16 GAUGE RED FOR WIRING CONTAINING A FUSE RATED GREATER THAN 7 AMPS, AND LESS THAN OR EQUAL TO 10 AMPS.  
USE 14 GAUGE RED FOR WIRING CONTAINING A FUSE RATED GREATER THAN 10 AMPS, AND LESS THAN OR EQUAL TO 15 AMPS.

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
05	CHANGED 3 AWG WITH 2 AWG WIRE	12941	KL	3/8/23
04	CHANGED 0180 INPUT GAUGE TO 3/0	12205	KL	4/11/22
03	M35172220002 & M35073220002 REPLACED BY UWR-1554 & UWR-1555	11429	PP	6/21/21

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	CHECKED: D.R. CMELAK	DATE: 2/17/15			
	TECH:	DATE:			
	APPROVED: K. FLIERL	DATE: 2/18/15	SIZE: C	REVISION: 05	PAGE: 1 of 1
ORIGINAL DESIGN: N. LAWS	DATE: 2/16/15	DRAWING #: UDE00484			