

DIMENSIONAL DRAWINGS

MODEL	AMPERE	OPEN	NEMA TYPE		
			1	3R, 4, 12	4X
ZTE	40-150	90C-2032	90C-1034	90C-1034	90C-1034
ZTE	225-400	90C-2033	90C-1034	90C-1034	90C-1034
ZTE	600-800	90C-2034	90C-1034	90C-1034	90C-1034
ZTE	1000-1200	90C-2003	90C-1000	90C-1005	90C-1009
ZTE	1600-2000	90C-2004	90C-1001	90C-1006	90C-1010
ZTE	3000	90C-2005	90C-1001	90C-1006	-
ZTE	4000	90C-2030	90C-1018	90C-1020	-
ZTED	40-400	98C-1011	90C-1034	90C-1034	90C-1034
ZTED	600-800	90C-2035	90C-1034	90C-1034	90C-1034
ZTED	1000-1200	90C-2009	90C-1000	90C-1005	90C-1009
ZTED	1600-2000	90C-2010	90C-1001	90C-1006	90C-1010
ZTED	3000	90C-2011	90C-1001	90C-1006	-
ZTED	4000	90C-2030	90C-1018	90C-1020	-
ZTECT	100-800	90C-2008	90C-1034	90C-1034	90C-1034
ZTECT	1000-1200	90C-2009	90C-1000	90C-1005	90C-1009
ZTECT	1600-2000	90C-2010	90C-1001	90C-1006	90C-1010
ZTECT	3000	90C-2011	90C-1001	90C-1006	-
ZTECT	4000	90C-2030	90C-1018	90C-1020	-
ZBTE	100-400	90C-2036	90C-1026	90C-1027	90C-1028
ZBTE	600	90C-2021	90C-1003	90C-1008	90C-1012
w/ADAPTER BAY			90C-1003AB	90C-1008AB	90C-1012AB
ZBTE	800-1200	90C-2022	90C-1003	90C-1008	90C-1012
w/ADAPTER BAY			90C-1003AB	90C-1008AB	90C-1012AB
ZBTE	1600-2000	90C-2023	90C-1004	90C-1017	90C-1017
ZBTE	3000	90C-2024	90C-1004	90C-1017	90C-1017
ZBTE-HOR	1600-2000	90C-1036	90C-1035	90C-1037	-
ZBTE-HOR	3000	90C-1038	90C-1035	90C-1037	-
ZBTE	4000	90C-2031	90C-1019	90C-1021	90C-1021
ZBTED	100-400	90C-2036	90C-1026	90C-1027	90C-1028
ZBTED	600	90C-2026	90C-1003	90C-1008	90C-1012
w/ADAPTER BAY			90C-1003AB	90C-1008AB	90C-1012AB
ZBTED	800-1200	90C-2027	90C-1003	90C-1008	90C-1012
w/ADAPTER BAY			90C-1003AB	90C-1008AB	90C-1012AB
ZBTED	1600-2000	90C-2028	90C-1004	90C-1017	90C-1017
ZBTED	3000	90C-2029	90C-1004	90C-1017	90C-1017
ZBTED-HOR	1600-2000	90C-1036	90C-1035	90C-1037	-
ZBTED-HOR	3000	90C-1038	90C-1035	90C-1037	-
ZBTED	4000	90C-2031	90C-1019	90C-1021	90C-1021
ZBTECT	100-600	90C-2026	90C-1003	90C-1008	90C-1012
w/ADAPTER BAY			90C-1003AB	90C-1008AB	90C-1012AB
ZBTECT	800-1200	90C-2027	90C-1003	90C-1008	90C-1012
w/ADAPTER BAY			90C-1003AB	90C-1008AB	90C-1012AB
ZBTECT	1600-2000	90C-2028	90C-1004	90C-1017	90C-1017
ZBTECT	3000	90C-2029	90C-1004	90C-1017	90C-1017
ZBTECT-HOR	1600-2000	90C-1036	90C-1035	90C-1037	-
ZBTECT-HOR	3000	90C-1038	90C-1035	90C-1037	-
ZBTECT	4000	90C-2031	90C-1019	90C-1021	90C-1021

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	S-8823	1/07/10	PM

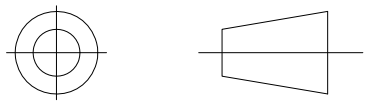
STANDARD DRAWINGS

Z(B)TE(D/CT) TRANSFER SWITCH AMPERAGE	LEGEND & OPERATION ACCESSORIES	POWER CIRCUIT & LAYOUT (3 & 4 POLE)	POWER CIRCUIT & LAYOUT (2 POLE)	MX350 DOOR VIEW	POWER CIRCUIT & LAYOUT (INVERTED STYLE)
40-200	91A-1000	91A-1000	91A-1000	91A-1000	91A-1000
225-400	91A-2000	91A-2000	91A-2000	91A-2000	91A-2000
600-1200	91A-3000	91A-3000	91A-3000	91A-3000	91A-3000
1600-3000	91A-3000	91A-3000	91A-3000	91A-3000	91A-3000
4000	91A-5000	91A-5000	91A-5000	91A-5000	91A-5000
(D) 40-400	92A-1000	92A-1000	92A-1000	92A-1000	92A-1000
(D) 600	92A-2000	92A-2000	92A-2000	92A-2000	92A-2000
(D) 800-3000	92A-2000	92A-2000	92A-2000	92A-2000	92A-2000
(D) 4000	92A-3000	92A-3000	92A-3000	92A-3000	92A-3000
(B) 100-400	93A-1004	93A-1004	93A-1004	93A-1004	93A-1004
(B) 600-1200	93A-2000	93A-2000	93A-2000	93A-2000	93A-2000
(B) 1600-3000	93A-2000	93A-2000	93A-2000	93A-2000	93A-2000
(B) -HOR 1600-3000	93A-3000	93A-3000	93A-3000	93A-3000	93A-3000
(B) 4000	93A-4000	93A-4000	93A-4000	93A-4000	93A-4000
(BD) 100-400	93A-1004	93A-1004	93A-1004	93A-1004	93A-1004
(BD) 600	94A-2000	94A-2000	94A-2000	94A-2000	94A-2000
(BD) 800-1200	94A-2000	94A-2000	94A-2000	94A-2000	94A-2000
(BD) 1600-3000	94A-2000	94A-2000	94A-2000	94A-2000	94A-2000
(BD) -HOR 1600-3000	94A-3000	94A-3000	94A-3000	94A-3000	94A-3000
(BD) 4000	94A-4000	94A-4000	94A-4000	94A-4000	94A-4000
(F14CT) 100-400	95A-2000	95A-2000	95A-2000	95A-2000	95A-2000
(63LCT) 100-600	95A-2000	95A-2000	95A-2000	95A-2000	95A-2000
(CT) 800-1200	95A-2000	95A-2000	95A-2000	95A-2000	95A-2000
(CT) 1600-3000	95A-2000	95A-2000	95A-2000	95A-2000	95A-2000
(CT) 4000	95A-4000	95A-4000	95A-4000	95A-4000	95A-4000
(ZBTECT) 100-400	96A-2000	96A-2000	96A-2000	96A-2000	96A-2000
(ZBTECT) 600-1200	96A-2000	96A-2000	96A-2000	96A-2000	96A-2000
(ZBTECT) 1600-3000	96A-2000	96A-2000	96A-2000	96A-2000	96A-2000
(ZBTECT) -HOR 1600-3000	96A-3000	96A-3000	96A-3000	96A-3000	96A-3000
(ZBTECT) 4000	96A-4000	96A-4000	96A-4000	96A-4000	96A-4000

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NOTE: FOR USE WITH R15, R26, LN, L1-L4(F)(PB) OPTIONS AND ALL SPECIALS REQUIRING J10 PLUG IN UTA MODULE.

THIRD ANGLE PROJECTION



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SIGNATURES		DATE
MODEL	GG	6/28/05
DETAIL		
CHECKED		
ENGRG		
MFG		
QUALITY		
ISSUED		
DRAWING FILE:	o-9052-c-1.dwg	
MODEL / ASSEMBLY FILE:	Z(B)TE(D/CT)	
# CTQs	⊖	CRITICAL TO QUALITY CHARACTERISTIC



GE Zenith Controls

TITLE
ATS STANDARD DWG'S
FOR ZTE (MX350)

FIRST MADE FOR: ZTE (MX350)	SIZE	CAGE CODE	DWG NO
	B		0-9052
SCALE: -	SHEET		1 OF 4

MX350 STANDARD FEATURES NOT REQUIRING SPECIAL PRINTS

NOTES:

1. UTILITY TO GENERATOR ONLY.
2. CLOSED TRANSITION ONLY.
3. STANDARD ON GEN-UTILITY APPLICATION ONLY.
4. DELAYED TRANSITION ONLY.
5. NOT AVAILABLE IF CTAP OPTION SELECTED ON ATS.
6. AUTOMATIC SWITCHES ONLY
7. NOT AVAILABLE WITH LOAD SHED OPTION R15.

CODE	NOTES	DESCRIPTION	OPTION PACKAGE				
			"A"	"B"	"C"	"D"	"M"
A3		ATS SOURCE 2 POSITION CONTACTS, SPST, (QTY. 2)	✓	✓	✓	✓	✓
A4		ATS SOURCE 1 POSITION CONTACTS, SPST, (QTY. 2)	✓	✓	✓	✓	✓
AB3		BYPASS MTS SOURCE 2 POSITION CONTACT, SPST (QTY. 1)	✓	✓	✓	✓	✓
AB4		BYPASS MTS SOURCE 1 POSITION CONTACT, SPST (QTY. 1)	✓	✓	✓	✓	✓
6/P		TEST SWITCH (LOAD/NO LOAD)	✓	✓	✓	✓	✓
BYPT/P	6	BYPASS RETRANSFER TIME DELAY TO SOURCE 1	✓	✓	✓	✓	✓
BYPW/P	6	BYPASS RETRANSFER TIME DELAY TO SOURCE 2	✓	✓	✓	✓	✓
CAL 1		CALIBRATION UPLOAD/DOWNLOAD VIA ENERVISTA MX350 SETUP	✓	✓	✓	✓	✓
D/W		THREE PHASE DELTA OR WYE METERING	✓	✓	✓	✓	✓
DIAG 1-2-3		DIAGNOSTICS REPORT 1, 2, 3	✓	✓	✓	✓	✓
DL 1		DATA LOGGER		✓	✓	✓	✓
DS	5	CONTROLLER DISCONNECT SWITCH	✓	✓	✓	✓	✓
DT	4	ADJUSTABLE TIME DELAY FROM NEUTRAL TO SOURCE 1 ON RETRANSFER	✓	✓	✓	✓	✓
DW	4	ADJUSTABLE TIME DELAY FROM NEUTRAL TO SOURCE 2 ON RETRANSFER	✓	✓	✓	✓	✓
E		ENGINE START CONTACT (FORM C)	✓	✓	✓	✓	✓
EL/P		EVENT LOG OF LAST 256 EVENTS	✓	✓	✓	✓	✓
ESO		EMERGENCY SOURCE FAILURE OVERRIDE TIME DELAY	✓	✓	✓	✓	✓
EX-1	3	365 DAY PROGRAMMABLE EXERCISOR (USER-SELECTABLE) WITH OR WITHOUT LOAD (GEN-UTILITY ONLY)	✓	✓	✓	✓	
EX-2	3	365 DAY PROGRAMMABLE EXERCISOR (USER-SELECTABLE) WITH OR WITHOUT LOAD (GEN-GEN ONLY)	✓	✓	✓	✓	
HELP		COLOR GRAPHICAL DISPLAY WITH USB CALIBRATION PORT AND EMBEDDED HELP	✓	✓	✓	✓	✓
J1E		ADJUSTABLE UNDER FREQUENCY SENSOR SOURCE 2	✓	✓	✓	✓	✓
J1N		ADJUSTABLE UNDER FREQUENCY SENSOR SOURCE 1	✓	✓	✓	✓	✓
J2E		ADJUSTABLE OVER FREQUENCY SENSOR SOURCE 2	✓	✓	✓	✓	✓
J2N		ADJUSTABLE OVER FREQUENCY SENSOR SOURCE 1	✓	✓	✓	✓	✓
K/P		FREQUENCY INDICATION (ON THE CONTROLLER)	✓	✓	✓	✓	✓
L1		LED SOURCE 2 POSITION INDICATION	✓	✓	✓	✓	✓
L2		LED SOURCE 1 POSITION INDICATION	✓	✓	✓	✓	✓
LN/P	4	CENTER-OFF/LCD INDICATION ON MICROPROCESSOR	✓	✓	✓	✓	✓
P1		ENGINE START TIMER (ADJUSTABLE UP TO 10 SECONDS)	✓	✓	✓	✓	✓
R1-1		OVER VOLTAGE SENSING-SINGLE PHASE SOURCE 1	✓	✓	✓	✓	✓
R1-3		OVER VOLTAGE SENSING-THREE PHASE SOURCE 1	✓	✓	✓	✓	✓
R2E		UNDER VOLTAGE SENSING ON SOURCE 1 (SINGLE OR 3-PHASE TO MATCH CONFIGURATION)	✓	✓	✓	✓	✓
R7		OVER VOLTAGE SENSING-SINGLE PHASE SOURCE 2	✓	✓	✓	✓	✓
R8		OVER VOLTAGE SENSING-THREE PHASE SOURCE 2	✓	✓	✓	✓	✓
R16		PHASE ROTATION SENSING OF SOURCE 1 AND 2	✓	✓	✓	✓	✓
R17		UNDER VOLTAGE SENSING-THREE PHASE SOURCE 2	✓	✓	✓	✓	✓
R50	1	SOURCE 1 TO SOURCE 2 IN PHASE MONITOR (WITH ENABLE/DISABLE)	✓	✓	✓	✓	✓
SYNC	2	SYNCHROSCOPE (GRAPHICAL BASE DISPLAY OF GEN FAST/SLOW VS. UTILITY SOURCE)					
T		ADJUSTABLE TIME DELAY RETRANSFER TO SOURCE 1	✓	✓	✓	✓	✓
TMS	2	TRANSITION MODE SELECTOR SWITCH	✓	✓	✓	✓	
U		ENGINE COOLDOWN ADJUSTABLE UP TO 60 MINUTES	✓	✓	✓	✓	
VI		VOLTAGE IMBALANCE (APPLIES TO 3-PHASE ONLY)	✓	✓	✓	✓	✓
W		ADJUSTABLE TIME DELAY ON TRANSFER TO SOURCE 2	✓	✓	✓	✓	✓
YE/P		MANUAL TRANSFER TO SOURCE 2					✓
YN/P		MANUAL TRANSFER TO SOURCE 1					✓
S3/P	7	PREFERRED SOURCE SELECTOR SWITCH (SOURCE 1 OR SOURCE 2) . NOT AVAILABLE WITH OPTION R15	✓	✓	✓	✓	
S5/P		AUTO/MANUAL TRANSFER, SOURCE 2 TO SOURCE 1. INCLUDES YN/P FEATURE	✓	✓	✓	✓	
S12/P		AUTO/MANUAL TRANSFER TO BOTH SOURCE 1 AND SOURCE 2. INCLUDES YN/P AND YE/P FEATURE	✓	✓	✓	✓	
S13/P		COMMIT/NO COMMITTRANSFER TO SOURCE 2	✓	✓	✓	✓	
CCA A		CUSTOMER CONFIGURABLE ALARM, 10 THRESHOLD ANALOG		✓	✓	✓	
CCA D		CUSTOMER CONFIGURABLE ALARM, 10 STATUS DIGITAL		✓	✓	✓	
WC-1		EVENT WAVEFORM CAPTURE		✓	✓	✓	
DL 1		DATA LOGGER		✓	✓	✓	
FLEX		FLEX LOGIC					✓

REVISIONS		DATE	APPROVED
REV.	DESCRIPTION		
C	S-8823 REVISED SHEET 1	1/07/10	PM

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THIRD ANGLE PROJECTION

FOR ADDITIONAL INFO REFER TO

APPLIED PRACTICES UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	MODEL CEE	DATE 03-12-08
TOLERANCES ON:	CHECKED	MFG
2 PL. DECIMALS ± .020	ENGNS CEE	03-12-08
3 PL. DECIMALS ± .005	MFG	
ANGLES ± 1°	ISSUED	
FRACTIONS ± 1/64		

DRAWING FILE: 0-9052-c-2.dwg

MODEL / ASSEMBLY FILE:

FIRST MADE FOR: Z(B)TS(D)/CT)40-4000AMP

SIZE CAGE CODE DWG NO

SCALE: B

SHEET 2 OF 4

GE Zenith Controls

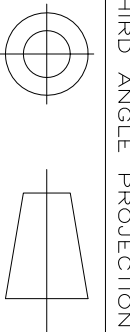
GE PROPRIETARY AND CONFIDENTIAL INFORMATION

MX350 FEATURES

MX350 FEATURES REQUIRING SPECIAL PRINTS

- NOTES:
- TEST WITH LOAD (Q2) IS PROVIDED AS STANDARD (PRE-CONFIGURED) FEATURE ON ALL ZTE SWITCHES.
 - QTY. (2) FORM C CONTACTS ARE PROVIDED AS STANDARD ON ALL ZTE SWITCHES. THESE FEATURES MAYBE USED WHEN ADDITIONAL CONTACTS ARE REQUIRED.
 - AUTO LOAD SHED FEATURES MAYBE CONTROLLED VIA FRONT DISPLAY, WITHOUT NEED FOR REMOTE CONTROL INPUTS.
 - FOR EACH OF THE 10 ALARMS, USER PROGRAMMABLE ALARM TEXT, TIME DELAY AND NORMAL STATE (OPEN/CLOSED) ADJUSTMENTS ARE FIELD PROGRAMMABLE.
 - ACTIVATES WHEN ATS IS EITHER IN MANUAL MODE OR ON ACTIVE TRANSFER INHIBIT SIGNAL IS BEING RECEIVED.
 - EACH LOAD CONTROL RELAY IS PROGRAMMABLE ON EITHER ELEVATOR PRE-SIGNAL TYPE OR LOAD DISCONNECT TYPE.
 - ALL OF THE BELOW STATUS AND ALARM ITEMS BELOW CAN BE MONITORED VIA SERIAL OR ETHERNET NETWORK.
 - * - INDICATES FEATURES MAYBE ENABLE IN FIELD BY DE-SELECTING THE FACTORY -SET PARAMETER AND RE-ASSIGNING THE INPUT TO THE DESIRED FEATURE.
 - "G" INPUT STRIP TERMINAL 2 IS RESERVE FOR REMOTE TEST WITH LOAD (Q2) WHEN THIS OPTION IS REQUIRED.
 - "G" INPUT STRIP TERMINAL 3 IS RESERVE FOR REMOTE LOAD SHED SIGNAL (R15) WHEN THIS OPTION IS REQUIRED.
 - R15 OUTPUT IS FACTORY CONFIGURED WHEN R15 OPTION IS SUPPLIED.

FEATURE	CODE	NOTES	TYPE (INPUT/OUTPUT/ HARDWARE)	FACTORY DEFAULT I/O CONFIGURATION	DESCRIPTION	FACTORY DEFAULT I/O CONFIGURATION					OPTION PACKAGE DRAWINGS
						"A" 4 IN/4 OUT	"B" 4 IN/4 OUT	"C" 8 IN/8 OUT	"D" 12 IN/12 OUT	"M" 4 IN/4 OUT	
SOURCE STATUS	A1		OUTPUT	SOURCE 1 (S1) FAILURE							91R-2002
	A1E		OUTPUT	SOURCE 2 (S2) FAILURE							91R-2002
STATUS SOURCE	A4	1	OUTPUT	CONNECTED TO SOURCE 1	*	*	*	OUT 12	*		91R-2002
	A3	1	OUTPUT	CONNECTED TO SOURCE 2	*	*	*	OUT 11	*		91R-2002
	A34N		OUTPUT	CONNECTED TO CENTER (DELAY TYPE ONLY)	*	*	*	*	*		91R-2002
	AB3		OUTPUT	BYPASS ATS ON SOURCE 2	*	*	*	*	*		91R-2002
	AB4		OUTPUT	BYPASS ATS ON SOURCE 1	*	*	*	*	*		91R-2002
SWITCH STATUS AND DIAGNOSTICS	EXC		OUTPUT	SWITCH EXERCISING	*	*	OUT 6	OUT 6	*		91R-2002
	ESS		OUTPUT	ENGINE START SIGNAL ACTIVE	*	*	*	*	*		91R-2002
	ATS1		OUTPUT	AUTO TRANSFER OCCURED SOURCE1 TO SOURCE 2	*	*	*	*	N/A		91R-2002
	ATS2		OUTPUT	AUTO TRANSFER OCCURED, SOURCE 2 TO SOURCE 1	*	*	*	*	N/A		91R-2002
	MTS2S1		OUTPUT	MANUAL TRANSFER TO SOURCE 2 FROM SOURCE 1	N/A	N/A	N/A	N/A	OUT3		91R-2002
	MTS1S2		OUTPUT	MANUAL TRANSFER TO SOURCE 1 FROM SOURCE 2	N/A	N/A	N/A	N/A	OUT 4		91R-2002
	TIS2S1		OUTPUT	TRANSFER INHIBIT SOURCE 2 TO SOURCE 1	*	*	*	*	N/A		91R-2002
	TIS1S2		OUTPUT	TRANSFER INHIBIT SOURCE 1 TO SOURCE 2	*	*	*	*	N/A		91R-2002
	ALM		OUTPUT	COMMON ALARM (ANY ALARM ACTIVE)	*	*	OUT 7	OUT 7	*		91R-2002
	FTS1		OUTPUT	FAIL TO TRANSFER TO SOURCE 1 ALARM	*	*	*	OUT 9	*		91R-2002
	FTS2		OUTPUT	FAIL TO TRNSFER TO SOURCE 2 ALARM	OUT 3	OUT 3	OUT 3	OUT 3	*		91R-2002
	NIA	1	OUTPUT	ATS NOT IN AUTO MODE	*	*	OUT 8	OUT 8	N/A		91R-2002
	CTAP		OUTPUT	TRANSFER TO SOURCE 2 ALARM	*	*	*	*	*		91R-2002
	R15	11	OUTPUT	LOAD SHED	*	*	*	*	N/A		91R-2002
	REMOTE CONTROL	RES		INPUT	REMOTE ENGINE START	IN*4	IN*4	IN*4	IN*4	IN 4	
TSNL		1	INPUT	NO LOAD TEST	*	*	*	*	IN 3		91R-2001
BYPTR			INPUT	BYPASS TIME DELAY ON RE-TRANSFER TO SOURCE 1	IN 1	IN 1	IN 1	IN 1	N/A		91R-2001
BYPWR			INPUT	BYPASS TIME DELAY ON RE-TRANSFER TO SOURCE 2	*	*	IN 5	IN 5	N/A		91R-2001
R15			INPUT	LOAD SHED	IN 6	IN 6	IN 6	IN 6	N/A		91R-2001
Q2			INPUT	TEST WITH LOAD	IN 5	IN 5	IN 5	IN 5	N/A		91R-2001
Q7			INPUT	INHIBIT TRANSFER TO SOURCE 1	IN 3	IN 3	IN 3	IN 3	N/A		91R-2001
Q3			INPUT	INHIBIT TRANSFER TO SOURCE 2	IN 2	IN 2	IN 2	IN 2	N/A		91R-2001
S5R			INPUT	AUTO/MAN RE-TRANSFER SOURCE 2 TO SOURCE 1	*	*	*	*	N/A		91R-2001
YNR			INPUT	INITIATE MANUAL TRANSFER TO SOURCE 1	*	*	IN 8	IN 8	IN 2		91R-2001
S12R			INPUT	AUTO/MAN TRANSFER SOURCE 1 TO 2 AND SOURCE 2 TO 1	*	*	IN 6	IN 6	N/A		91R-2001
YER			INPUT	INITIATE MANUAL TRANSFER TO SOURCE 2	*	*	IN 7	IN 7	IN 1		91R-2001
S3R			INPUT	PRIME SOURCE SELECT SWITCH	*	*	*	IN 12	N/A		91R-2001
S13R		INPUT	COMMIT/NO COMMIT TO TRANSFER TO SOURCE 2	*	*	*	*	N/A		91R-2001	
PROGRAMMABLE LOAD CONTROL RELAYS	LCE1 - LCL1	6	OUTPUT	LOAD CONTROL RELAY #1	OUT 4	OUT 4	OUT 4	OUT 4	*		91R-2002
	LCE2 - LCL2	6	OUTPUT	LOAD CONTROL RELAY #2	*	*	OUT 5	OUT 5	*		91R-2002
	LCE3 - LCL3	6	OUTPUT	LOAD CONTROL RELAY #3	*	*	*	*	*		91R-2002
	LCE4 - LCL4	6	OUTPUT	LOAD CONTROL RELAY #4	*	*	*	*	*		91R-2002
	LCE5 - LCL5	6	OUTPUT	LOAD CONTROL RELAY #5	*	*	*	*	*		91R-2002
	LCE6 - LCL6	6	OUTPUT	LOAD CONTROL RELAY #6	*	*	*	*	*		91R-2002
AUTO LOAD SHED	ALS		OUTPUT	AUTO LOAD SHED ACTIVE (SIGNAL TO SHUNT TRIP DOWNSTREAM LOAD/S)	N/A	*	*	OUT 10	N/A		91R-2002
	LSIR	3	INPUT	AUTO LOAD SHED RESET	N/A	*	*	IN 9	N/A		91R-2001
	LSIKW		INPUT	AUTO LOAD SHED KILOWATT PICKUP ON/OFF	N/A	*	*	IN 10	N/A		91R-2001
	ALS1		INPUT	AUTO LOAD SHED LOCAL/REMOTE	N/A	*	*	IN 11	N/A		91R-2001



THIRD ANGLE PROJECTION

FOR ADDITIONAL INFO REFER TO

APPLIED PRACTICES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON:	
2 PL. DECIMALS ± .020	
3 PL. DECIMALS ± .005	
ANGLES ± 1°	
FRACTIONS ± 1/64	

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FINISH ✓

CTOS

MODEL / ASSEMBLY FILE: 0-9052-c-3.dwg


SCALE: B

SHEET 3 OF 4

SIGNATURES

MODEL	CEE	DATE	03-12-08
DETAIL			
CHECKED			
ENGRS	CEE		03-12-08
MFG			
QUALITY			
ISSUED			
DRAWING FILE:	0-9052-c-3.dwg		

CRITICAL TO QUALITY CHARACTERISTIC



GE PROPRIETARY AND CONFIDENTIAL INFORMATION
GE Zenith Controls

MX350 FEATURES

REV. C		DESCRIPTION		DATE		APPROVED	
S-8823		REVISED SHEET 1		1/07/10		SS KL	
REVISIONS							

MX350 FEATURES REQUIRING SPECIAL PRINTS

NOTES:

1. TEST WITH LOAD (Q2) IS PROVIDED AS STANDARD (PRE-CONFIGURED) FEATURE ON ALL ZTE SWITCHES.
2. QTY. (2) FORM C CONTACTS ARE PROVIDED AS STANDARD ON ALL ZTE SWITCHES. THESE FEATURES MAYBE USED WHEN ADDITIONAL CONTACTS ARE REQUIRED.
3. AUTO LOAD SHED FEATURES MAYBE CONTROLLED VIA FRONT DISPLAY, WITHOUT NEED FOR REMOTE CONTROL INPUTS.
4. FOR EACH OF THE 10 ALARMS, USER PROGRAMMABLE ALARM TEXT, TIME DELAY AND NORMAL STATE (OPEN/CLOSED) ADJUSTMENTS ARE FIELD PROGRAMMABLE.
5. ACTIVATES WHEN ATS IS EITHER IN MANUAL MODE OR ON ACTIVE TRANSFER INHIBIT SIGNAL IS BEING RECEIVED.
6. EACH LOAD CONTROL RELAY IS PROGRAMMABLE ON EITHER ELEVATOR PRE-SIGNAL TYPE OR LOAD DISCONNECT TYPE.
7. ALL OF THE BELOW STATUS AND ALARM ITEMS BELOW CAN BE MONITORED VIA SERIAL OR ETHERNET NETWORK.
8. * - INDICATES FEATURES MAYBE ENABLE IN FIELD BY DE-SELECTING THE FACTORY -SET PARAMETER AND RE-ASSIGNING THE INPUT TO THE DESIRED FEATURE.
9. "G" INPUT STRIP TERMINAL 2 IS RESERVED FOR REMOTE TEST WITH LOAD (Q2) WHEN THIS OPTION IS REQUIRED.
10. "G" INPUT STRIP TERMINAL 3 IS RESERVED FOR REMOTE LOAD SHED SIGNAL (R15) WHEN THIS OPTION IS REQUIRED.
11. R15 OUTPUT IS FACTORY CONFIGURED WHEN R15 OPTION IS SUPPLIED.

FEATURE	CODE	NOTES	TYPE (INPUT/OUTPUT/ HARDWIRE)	FACTORY DEFAULT I/O CONFIGURATION	DESCRIPTION	FACTORY DEFAULT I/O CONFIGURATION					OPTION PACKAGE DRAWINGS
						"A"	"B"	"C"	"D"	"M"	
						4 IN/4 OUT	4 IN/4 OUT	8 IN/8 OUT	12 IN/12 OUT	4 IN/4 OUT	
USER-CONFIGURABLE ANALOG ALARM	UVS1		OUTPUT	SOURCE 1 UNDERVOLTAGE	N/A	*	*	*	N/A	91R-2002	
	UVS2		OUTPUT	SOURCE 2 UNDERVOLTAGE	N/A	*	*	*	N/A	91R-2002	
	OVS1		OUTPUT	SOURCE 1 OVERVOLTAGE	N/A	*	*	*	N/A	91R-2002	
	OVS2		OUTPUT	SOURCE 2 OVERVOLTAGE	N/A	*	*	*	N/A	91R-2002	
	UFS1		OUTPUT	SOURCE 1 UNDERFREQUENCY	N/A	*	*	*	N/A	91R-2002	
	UFS2		OUTPUT	SOURCE 2 UNDERFREQUENCY	N/A	*	*	*	N/A	91R-2002	
	OFS1		OUTPUT	SOURCE 1 OVERFREQUENCY	N/A	*	*	*	N/A	91R-2002	
	OFS2		OUTPUT	SOURCE 2 OVERFREQUENCY	N/A	*	*	*	N/A	91R-2002	
	LLPFA		OUTPUT	LOW POWER FACTOR ALARM	N/A	*	*	*	N/A	91R-2002	
	VTHDS1		OUTPUT	SOURCE 1 HIGH VOLTS THD% ALARM	N/A	*	*	*	N/A	91R-2002	
	VTHDS2		OUTPUT	SOURCE 2 HIGH VOLTS THD% ALARM	N/A	*	*	*	N/A	91R-2002	
	CTA		OUTPUT	CURRENT HIGH THD% ALARM	N/A	*	*	*	N/A	91R-2002	
	LOKWA		OUTPUT	KILOWATT OVERLOAD ALARM	N/A	*	*	*	N/A	91R-2002	
	51A		OUTPUT	OVERCURRENT (PHASE A)	N/A	*	*	*	N/A	91R-2002	
	51B		OUTPUT	OVERCURRENT (PHASE B)	N/A	*	*	*	N/A	91R-2002	
	51C		OUTPUT	OVERCURRENT (PHASE C)	N/A	*	*	*	N/A	91R-2002	
	51N		OUTPUT	OVERCURRENT (PHASE N)	N/A	*	*	*	N/A	91R-2002	
	VIAS1		OUTPUT	SOURCE 1 VOLTAGE IMBALANCE	N/A	*	*	*	N/A	91R-2002	
	VIAS2		OUTPUT	SOURCE 2 VOLTAGE IMBALANCE	N/A	*	*	*	N/A	91R-2002	
	CIA		OUTPUT	CURRENT IMBALANCE ALARM	N/A	*	*	*	N/A	91R-2002	
USER-CONFIGURABLE DIGITAL ALARM	CCD1-X	4	INPUT	DIGITAL INPUT, QTY. (10) FOR USER CONFIGURABLE ALARMS AND FLEX LOGIC		N/A	*	*	*	N/A	91R-2001
	CCAD-X		OUTPUT	USER CONFIGURATION DIGITAL ALARMS (UP TO QTY. 10)		N/A	*	*	*	N/A	91R-2002
	VT		HARDWIRE	VT CONNECTIONS		N/A	N/A	N/A	N/A	N/A	91R-2004
	BCI		HARDWIRE	BATTERY CHARGER INTERNAL		N/A	N/A	N/A	N/A	N/A	91R-2087
	HT		HARDWIRE	HEATER AND THERMOSTAT		N/A	N/A	N/A	N/A	N/A	91R-2008
	CTAP		HARDWIRE	ALARM PANEL, TRANSFER TO SOURCE 2 WITH SILENCE BUTTON		N/A	N/A	N/A	N/A	N/A	91R-2013
	R15		HARDWIRE	LOAD SHED		N/A	N/A	N/A	N/A	N/A	91R-2015
	TVSS		HARDWIRE	TRANSIENT VOLTAGE SURGE SUPPRESSOR		N/A	N/A	N/A	N/A	N/A	91R-2086
	P2		HARDWIRE	P2 ACCESSORY		N/A	N/A	N/A	N/A	N/A	91R-2014
	CT		HARDWIRE	CT CONNECTION		N/A	N/A	N/A	N/A	N/A	91R-2005

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FINISH ✓

CTOS

DRAWING FILE: 0-9052-c-4.dwg

MODEL / ASSEMBLY FILE:

SCALE: B

SHEET 4 OF 4

FOR ADDITIONAL INFO REFER TO

APPLIED PRACTICES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ON:

2 PL. DECIMALS ± .020

3 PL. DECIMALS ± .005

ANGLES ± 1°

FRACTIONS ± 1/64

SIGNATURES

MODEL CEE

DATE 03-12-08

CHECKED

ENGRS CEE

MFG

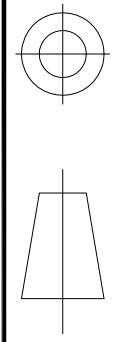
03-12-08

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FIRST MADE FOR: Z(B)TS(O/CT)40-4000AMP



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