



Zenith ZTX

Automatic Transfer Switch

Zenith ZTX Series Small Frame Residential, Commercial & Light Industrial Switch with LED Control Panel (cover removed)

Overview

GE's Zenith ZTX Series Automatic Transfer Switches are designed for residential and light commercial critical/non-life safety applications requiring the dependability and ease of operation found in a power contactor switch.

- Ratings 40 to 400 amps (2, 3 and 4 pole)
- UL 1008 and CSA listed
- Seismic Compliance to IEEE-693-2005 and IBC-2009
- Double throw, mechanically interlocked contactor mechanism
- Electrically operated, mechanically held
- Designed for standby applications

GE's Zenith ZTX switches are equipped with the MX60 control panel. This microprocessor control includes:

- Undervoltage sensing (90% pickup/80% dropout) of Source 1 (normal)
- Voltage and frequency sensing of Source 2 (emergency) (90% voltage/95% frequency pickup)
- Time Delay Engine Start **(P)** - 5 seconds
- Time Delay Engine Warmup **(W)** - Transfer to Emergency (Source 2) - 20 seconds
- Time Delay Utility Stabilization/Retransfer to Utility (Source 1) **(T)** - 5 minutes
- Time Delay Engine Cool Down **(U)** - 5 minutes

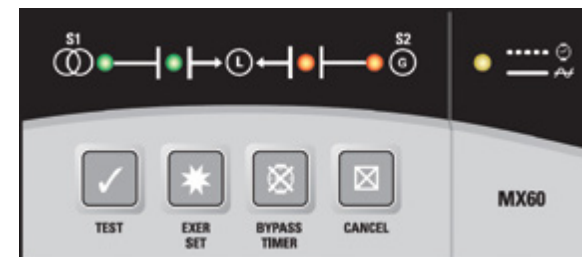
All time delays are fixed (non-adjustable).

The unit is available in open type, NEMA 1 or NEMA 3R enclosures. The MX60 control adds a user interface and functionality, including:

- Indicating LEDs for source availability and switch position
- Pushbuttons for test, exerciser set, timer bypass and program cancel
- Special status annunciation of in-phase transfer and timer operation
- Selectable 7, 14, 21 or 28 day (factory set 28 days) generator (Source 2) with or without load exerciser timer
- Diagnostic LED indications in logical one-line configuration

Additional options include:

- A3/A4** Auxiliary contacts (1 each) closed in Source 1 (normal) and Source 2 (emergency) positions
- B9X** 1.5 Amp/12 or 24 VDC Battery Charger



MX60 Microprocessor Control Panel

Ordering Information

Z T X 0 0 0		0			Z E C	Z V C	M 0 6 0
Model/Type	Control Panel	Application	Ampere Size	Switched Poles	Enclosure Type	Operational Voltage	Accessories
Z T X 0 0 0	M 6	0	Consult Table Below	B 2 Poles	0 1 Type 1 Enclosure	Consult Table Below	Then choose a additional accessories
Standard (Open Transition)	MX60 Microprocessor Control Unit	Utility - Generator		E 3 Poles	3 R Type 3R Enclosure		
				F 4 Poles	0 0 Open Style Unit		

Example

ZTX000M60010E-ZEC01ZVC50M060

This number string shows the correct format for a ZTX Model Automatic Transfer Switch with MX60 microprocessor control unit, Utility - Generator, 100 amps, 3 pole, NEMA Type 1 enclosure, 480V 3φ, 3 wire, 60 Hz system with the standard group of accessories.

Technical Specifications

LUG CONFIGURATION

AMP SIZE	QTY PER PHASE & NEUTRAL	SIZE	
40 - 80	1	#8 to 3/0	8 to 85 mm ²
100 - 225	1	#6 to 250 MCM	13 to 127 mm ²
300 - 400	1	#4 to 600 MCM	21 to 304 mm ²

DIMENSIONS INCHES (MM)								WEIGHT LBS. (KG)	
AMP RATING	POLES	NEMA 1			NEMA 3R			OPEN STYLE	NEMA 1
		H	W	D	H	W	D		
40 - 225	2, 3	24 (610)	18 (457)	10 (254)	24 (610)	18.5 (470)	10.5 (267)	12 (5.4)	67 (30.4)
	4							18 (8.2)	73 (33.1)
300 - 400	2, 3	46 (1168)	24 (610)	14 (356)	46 (1168)	24 (610)	15 (381)	59 (26.8)	168 (76.2)
	4							70 (31.8)	180 (81.7)

For UL 1008 Withstand and Closing Ratings, please refer to GE Publication TB-1102.

AMPS	AMPERE SIZE
40	004
80	008
100	010
150	015
200	020
225	022
300	030
400	040

VOLTAGE/PHASE/CONFIG/Hz			
10	120V, 1PH, 2W, 60HZ	51	440V, 3PH, 3W, 60HZ
12	120V, 3PH, 3W, 60HZ	52	440V, 3PH, 3W, 50HZ
20	120/240V, 1PH, 3W, 60HZ	53	440V, 1PH, 2W, 60HZ
22	110/120V, 1PH, 3W, 50HZ	54	480V, 3PH, 3W, 50HZ
24	220V, 1PH, 2W, 50HZ	57	480V, 1PH, 2W, 60HZ
25	240V, 1PH, 2W, 50HZ	58	254/440V, 3PH, 4W, 60HZ
26	208V, 1PH, 2W, 60HZ	59	254/440V, 3PH, 4W, 50HZ
30	240V, 3PH, 3W, 60HZ	70	277/480V, 3PH, 4W, 60HZ
31	208V, 3PH, 3W, 60HZ	82	380V, 1PH, 2W, 50HZ
32	220V, 3PH, 3W, 50HZ	90	240/416V, 3PH, 4W, 60HZ
35	139/240V, 3PH, 4W, 60HZ	91	220/380V, 3PH, 4W, 60HZ
38	120/240V, 3PH, 4W, 60HZ	92	220/380V, 3PH, 4W, 50HZ
39	220V, 3PH, 3W, 60HZ	93	240/416V, 3PH, 4W, 50HZ
40	120/208V, 3PH, 4W, 60HZ	96	416V, 3PH, 3W, 60HZ
41	127/220V, 3PH, 4W, 60HZ	97	380V, 3PH, 3W, 60HZ
42	127/220V, 3PH, 4W, 50HZ	98	380V, 3PH, 3W, 50HZ
46	120/208V, 3PH, 4W, 50HZ	99	416V, 3PH, 3W, 50HZ
50	480V, 3PH, 3W, 60HZ		

A3/A4

Auxiliary Contacts (1 each)
Closed in Source 1 (normal)
and Source 2 (emergency)

B9X

Battery Charger
1.5 Amp / 12 or 24 VDC



For information on ZTX OEM plans, please consult your GE representative.

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