

# Zenith ZTX

## Automatic Transfer Switch

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-2006
- 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).



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

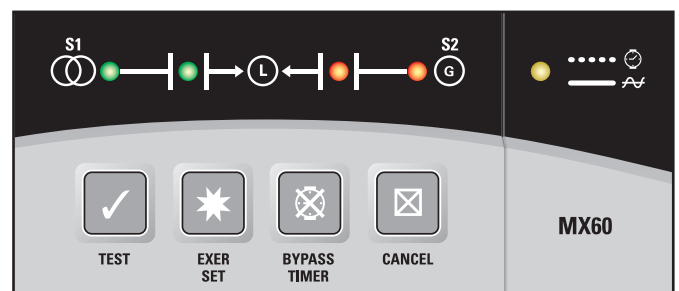
The unit is available in open type, NEMA 1 or NEMA 3R enclosures. The MX60 control adds a user interface and functionality, including:

- 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

MODEL/TYPE	CONTROL PANEL	APPLICATION	AMPERE SIZE	SWITCHED POLES	ENCLOSURE TYPE	OPERATIONAL VOLTAGE	ACCESSORIES
Z T X 0 0 0		0			Z E C	Z V C	M 0 6 0
Standard (Open Transition)	MX60 Microprocessor Control Unit	Utility - Generator	40 amps	2 Poles	Type 1 Enclosure	Consult Table Below	A3/A4 Auxiliary Contacts (1 each) Closed in Source 1 (normal) and Source 2 (emergency)
	No Microprocessor Control Unit		80 amps	3 Poles	Type 3R Enclosure		B9X Battery Charger 1.5 Amp / 12 or 24 VDC
			100 amps	4 Poles	Open Style Unit		
			150 amps				
			200 amps				
			225 amps				
			300 amps				
			400 amps				

### 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 and Neutral	Size	
40 - 80	1	#8 to 3/0	8 to 85 mm <sup>2</sup>
100 - 225	1	#6 to 250 MCM	13 to 127 mm <sup>2</sup>
300 - 400	1	#4 to 600 MCM	21 to 304 mm <sup>2</sup>

Ampere Rating	Poles	Dimensions inches (mm)						Weight lbs. (kg)	
		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)

## UL 1008 Withstand and Closing Ratings

Please refer to GE Publication TB-1102.



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



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