

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, CSA and IEC listed to 480 VAC 50/60Hz
- 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)

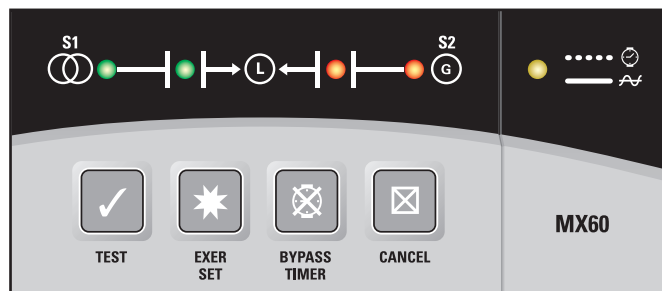
The unit is available in open type, NEMA 1 or NEMA 3R enclosures. The MX60 control adds a user interface and functionality, including:

- 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

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 Standard (Open Transition)	M 6 MX60 Microprocessor Control Unit	0 Utility - Generator	0 0 4 40 amps	B 2 Poles	0 1 Type 1 Enclosure	A B Consult Table Below	A3/A4 Auxiliary Contacts (1 each) Closed in Source 1 (normal) and Source 2 (emergency)
	0 0 No Microprocessor Control Unit		0 0 8 80 amps	E 3 Poles	3 R Type 3R Enclosure		B9X Battery Charger 1.5 Amp / 12 or 24 VDC
			0 1 0 100 amps	F 4 Poles	0 0 Open Style Unit		
			0 1 5 150 amps				
			0 2 0 200 amps				
			0 2 2 225 amps				
			0 3 0 300 amps				
			0 4 0 400 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 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

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.

A	B	Voltage	Phase	Config.	Hz
1	0	120	1	2 wire	60
2	0	120/240	1	3 wire	60
2	2	110/220	1	3 wire	50
3	0	240	3	3 wire	60
3	1	208	3	3 wire	60
3	2	220	3	3 wire	50
3	5	139/240	3	4 wire	60
4	0	120/208	3	4 wire	60
4	1	127/220	3	4 wire	60
4	2	127/220	3	4 wire	50
5	0	480	3	3 wire	60
5	1	440	3	3 wire	60
5	2	440	3	3 wire	50
5	5	460	1	3 wire	50
5	7	480	1	2 wire	60
5	8	254/440	3	4 wire	60
6	3	575	1	2 wire	60
7	0	277/480	3	4 wire	60
7	1	277	1	2 wire	60
7	4	266/460	3	4 wire	60
7	5	460	3	3 wire	60
8	2	380	1	2 wire	50
9	0	240/416	3	4 wire	60
9	1	220/380	3	4 wire	60
9	2	220/380	3	4 wire	50
9	3	240/416	3	4 wire	50
9	7	380	3	3 wire	60

Note: Operating voltage must be specified at time of order. Only the most common voltages are shown above.



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