

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)

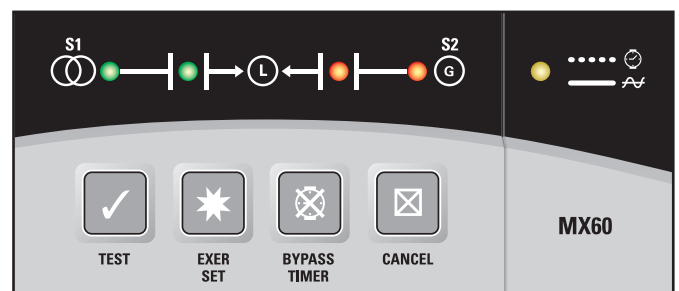
The unit is available in open type, NEMA 1 or NEMA 3R enclosures. The MX60 control adds a user interface and functionality, including:

- 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

| | | | | | | | |
|---|--|--------------------------|--|--|---|---------------------|--|
| 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 0 No Microprocessor Control Unit | 0 Utility - Generator | 0 0 4 40 amps 0 0 8 80 amps 0 1 0 100 amps 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 | B 2 Poles E 3 Poles F 4 Poles | 0 1 Type 1 Enclosure 3 R Type 3R Enclosure 0 0 Open Style Unit | Consult Table Below | Then choose additional accessories 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 |

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 3 ϕ , 3 wire, 60 Hz system with the standard group of accessories.

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

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.



| | 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 |



GE Energy - Digital Energy
830 W 40th Street, Chicago, IL 60609 USA
800 637 1738 www.gepowerquality.com

Information subject to change without notice. Please verify all details with GE.
PB-1601 (8/10) © 2010 General Electric Company All Rights Reserved