GE Energy
Digital Energy

# Zenith ZTX

## Automatic Transfer Switch

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

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).

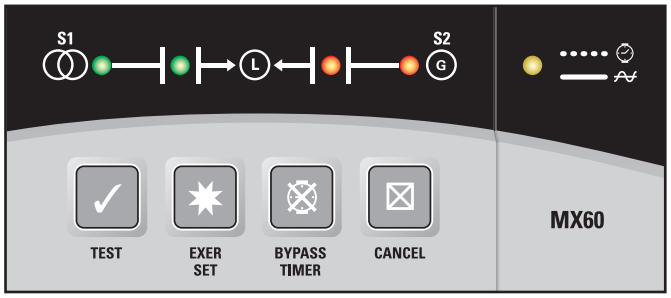
The unit is available in open type, NEMA 1 or NEMA 3R enclosures. The MX60 control adds a user interface and functionality, including:

- 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 |
|---|---|---|---|---|---|---|---|---|
| ZTX000 | | 0 | | | – ZEC | | ZVC | M060 |

**MODEL/TYPE**

ZTX000

Standard (Open Transition)

**CONTROL PANEL**

M6 — MX60 Microprocessor Control Unit

00 — No Microprocessor Control Unit

**APPLICATION**

0 — Utility - Generator

**AMPERE SIZE**

004 — 40 amps

008 — 80 amps

010 — 100 amps

015 — 150 amps

020 — 200 amps

022 — 225 amps

030 — 300 amps

040 — 400 amps

**SWITCHED POLES**

B — 2 Poles

E — 3 Poles

F — 4 Poles

**ENCLOSURE TYPE**

01 — Type 1 Enclosure

3R — Type 3R Enclosure

00 — Open Style Unit

**OPERATIONAL VOLTAGE**

Consult Table Below

**ACCESSORIES**

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

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

## 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 $mm^2$ |

| | | Dimensions inches (mm) | | | | | | Weight lbs. (kg) | |
|---|---|---|---|---|---|---|---|---|---|
| **Ampere 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) |

## UL 1008 Withstand and Closing Ratings

Please refer to GE Publication TB-1102.

Assembled in the USA

c UL us LISTED

ISO 9001:2008 CERTIFIED

| | 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 |

imagination at work

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Information subject to change without notice. Please verify all details with GE.
PB-1601 (8/10)
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