



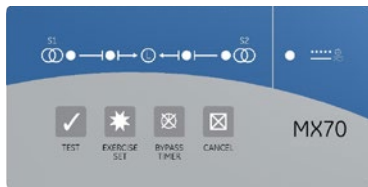
GTX Series

Automatic Transfer Switch



Overview

GE's GTX Series Automatic Transfer Switches are designed for critical industrial, residential, and commercial applications requiring the dependability and ease of operation found in a power contactor switch.



MX70 Microprocessor Control Panel

GTX Transfer Switches are Equipped with an Optional MX70 Microprocessor Control Panel

This microprocessor control includes:

- Undervoltage sensing (90% pickup/80% dropout) of Utility source
- Voltage and frequency sensing of generator source (90% voltage/95% frequency pickup)
- Time Delay Engine Start (P)
 - 3 seconds
- Time Delay Engine Warmup (W)
 - Transfer to Generator - 3 seconds
- Time Delay Utility Stabilization/Retransfer to Utility (T)
 - 10 minutes

- Programmable time delay engine cool down (U)
 - 3 seconds factory default setting
- All time delays can be adjusted using MX70 software
- Indicating LEDs for power availability, switch position, and load energized in a logical one line configuration
- Pushbuttons for test, engine start (manual), generator exerciser, timer bypass and program cancel
- Special status annunciation of in-phase transfer and timer operation
- Smart diagnosis program and in phase monitor
- Selectable 7, 14, 21 or 28 day (factory set 28 days) generator exerciser timer

Enclosure Type

The unit is available in:

- Power Panel Only
- Open Type (non-enclosed, but with a controller)
- NEMA 1 (IP20)
- NEMA 3R (IP24)

Additional Options Include:

A3/A4 Auxiliary contacts (1 each) closed in Source1 and Source 2 positions

Advantages

- True double throw operation where the single Solenoid Design is inherently inter-locked and prevents contacts from inadvertently stopping between sources or from being in contact with both sources at the same time.
- Highly reliable, Low MTBF (mean time between failure)
- Special wiring plug design prevents misoperation
- Smart diagnostic program and inphase monitor (MX70 option)
- Arc quenching grids, enclosed arc chamber and wide contact air gap
- Neutral pole break-last-close-first design, neutral contact is on the same shaft as other poles
- Ease of operation
- Fast contact transfer speed $\leq 120\text{ms}$

Order Code

DIGIT 1,2,3 SERIES	DIGIT 4 AMPERE RATING	DIGIT 5 #SWITCHED POLES	DIGIT 6 APPLICATION	DIGIT 7 MICROPROCESSOR CONTROLLER	DIGIT 8 ENCLOSURE TYPE	DIGIT 9 ACCESSORIES	DIGITS 10,11 VOLTAGE, # PHASES, # WIRES, FREQUENCY	DIGITS 12-18 OTHER OPTIONS	
GTX	D	E	S	S	A	S	30	XXXXXX	
	A 40 A B 63 A C 80 A D 100 A E 125 A F 160 A G 200 A H 250 A I 320 A J 400 A	B 2 Pole E 3 Pole F 4 Pole	S MX70 X *None (Power Panel Only)	S *None (Power Panel Only)	S Standard X *None (Power Panel Only)		10 120V, 1PH, 2W, 60HZ 11 120V, 1PH, 2W, 50HZ 20 120/240V, 1 PHASE, 3 WIRE, 60HZ 21 120/240V, 1 PHASE, 3 WIRE, 50HZ 30 240V, 3PH, 3W, 60HZ 31 240V, 3PH, 3W, 50HZ 40 120/208V, 3 PHASE, 4 WIRE, 60HZ 41 127/220V, 3 PHASE, 4 WIRE, 60HZ 42 120/208V, 3 PHASE, 4 WIRE, 50HZ 43 127/220V, 3 PHASE, 4 WIRE, 50HZ 72 400V, 3PH, 3W, 60Hz 73 400V, 3PH, 4W, 60Hz 90 240/416V, 3 PHASE, 4 WIRE, 60HZ 91 220/380V, 3 PHASE, 4 WIRE, 60HZ 92 220/380V, 3 PHASE, 4 WIRE, 50HZ 93 240/416V, 3 PHASE, 4 WIRE, 50HZ 94 400V, 3PH, 3W, 50Hz 95 400V, 3PH, 4W, 50Hz 96 416V, 3PH, 3W, 60HZ 97 380V, 3 PHASE, 3 WIRE, 60HZ 98 380V, 3PH, 3W, 50HZ 99 416V, 3PH, 3W, 50HZ	S Utility - Generator Switching U Utility - Utility Switching X *None (Power Panel Only)	X *None (Power Panel Only) A Enclosure IP20 (NEMA 1) B None (Open Style) C Enclosure IP24 (NEMA 3R)
			*Digit 8 for Enclosure must = X					None(Std) XXXXXX Others TBD	

For 400V with MX70 microprocessor controller, the operating sensing fail voltage = 85% nominal, and return voltage = 95% nominal.

Example

GTXDESSAS30

This number string shows the correct format for a GTX module that is 100Amps with 3 poles, utility to generator switching configuration, MX70 with an enclosure style IP20 (NEMA 1), that has a 240V, 3PH, 3W, 60HZ operating voltage.

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