

GE ZENITH Controls

Adjust MX 100 Voltage and Frequency Pickup/Dropout	
Purpose:	To adjust the ATS to meet the customers needs.
When:	When directed by operations.

Required Tools & Equipment:	
ATS Door Key	MX 100 Maintenance Manual

 Danger
HAZARDOUS VOLTAGE Can Cause Severe Injury or Death Ensure before the enclosure is opened, you must lockout all energy sources to the ATS.

Do These Steps:

1. *Obtain* the ATS door Key.
2. *Unlock* the enclosure

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3. *Open* the enclosure.

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4. Note the settings for the normal voltage pick up and drop out knobs.

Note: The factory setting for normal voltage pick up is 90%. The factory setting for normal voltage drop out is 80%.



Figure 1.

5. Adjust the normal voltage pick up and drop out to the required percentage.

Note: Turn the knob Clockwise to increase the percentage.

6. Note the setting for the normal frequency pick up knob.

Note: The factory setting for normal frequency pick up is 90%.

7. Adjust the normal frequency pick up to the required percentage.

8. Note the settings for the emergency voltage pick up and drop out knobs.

Note: The factory setting for emergency voltage pick up is 90%. The factory setting for normal voltage drop out is 80%.

9. Adjust the emergency voltage pick up and drop out to the required percentage.

10. Note the setting for the emergency frequency pick up knob.

Note: The factory setting for emergency frequency pick up is 95%.

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11. *Adjust* the normal frequency pick up to the required percentage.
12. *Close* the enclosure.
13. *Lock* the enclosure using the door key.
14. *Push* and hold the test pushbutton.

Note: After the time delay switch should automatically transfer to the emergency position.



Figure 2.

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15. *Release* the test pushbutton.

Note: Once you release the test pushbutton and after the time delay, the ATS should return to the normal position.

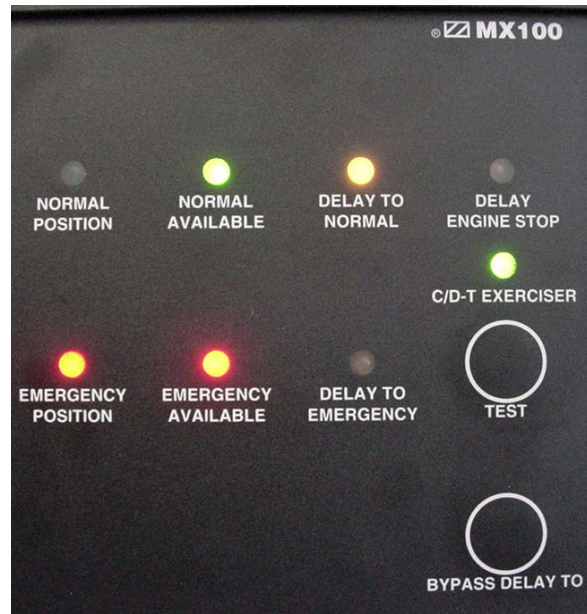


Figure 3.

16. *Record* the maintenance in the logbook or OTM manual.

17. If you find any problems, call your GE Zenith Representative for service.

You know you are completed when:

- The transfer switch is secured and operating properly.
- The adjustment is recorded in the logbook or OTM manual.