



## DGP Frequently Asked Questions

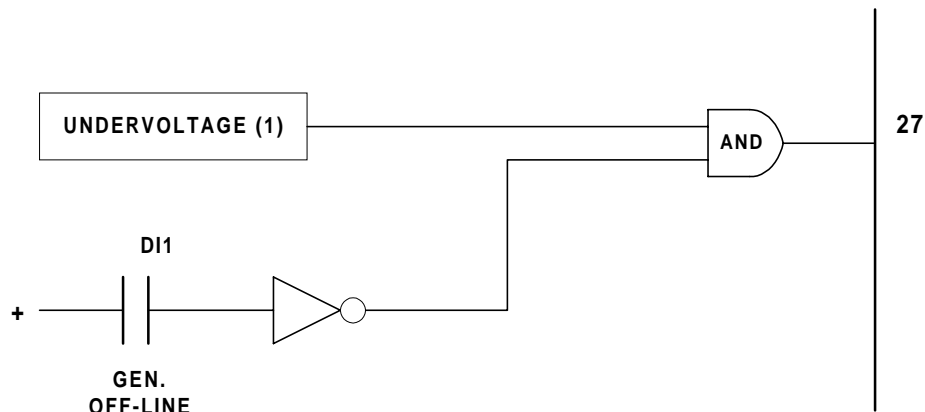
Jump ahead to: [Not So Frequently Asked Questions](#)

### 1. Why does my DGP display a “351” error code?

The current inputs  $I_{NS}$  and  $I_{NR}$  are derived from the residual connections of the respective phase CTs and do not require dedicated neutral CTs. Zero-sequence current at system and/or neutral side of the generator stator windings is calculated and compared with the measured  $I_{NS}$  and/or  $I_{NR}$  values by the DGP as part of a back-round self-test. If they do not match, a 351 error code is generated.

### 2. Why can't I get the 27 function (undervoltage) to operate?

The 27 element operates when the generator is considered on-line. The DGP recognizes the on-line status DI1 “Generator Off-Line”. An Auxiliary b contact will allow the DGP to interpret the correct generator status.



### 3. How do I order replacement parts for my DGPs?

The following table shown the replacement part numbers and their availability for the DGP

MODULES	DGPxxxAAA	DGPxxxABA	DGPxxxACA
SSP301	✓	✓	✓
ANI301	✓	✓	✓
DAP201	✓	✓	✓
DSP401	✓	✓	✓
MGM781 – specify 1A or 5A	✓	✓	✓
MMI301	✓	✓	✓
0215B8070G0004	✓ 48 V DC	✓ 48 V DC	✓ 48 V DC
0215B8070G0004	✓ 125 V DC	✓ 125 V DC	✓ 125 V DC
0215B8070G0004	✓ 250 V DC	✓ 250 V DC	✓ 250 V DC
DIT 103			✓
DIT 101	✓		
DIT 102		✓	



**4. I have an older version of DGPxxxAAA firmware. What upgrade kit do I order to upgrade my DGPxxxAAA to the latest firmware revision?**

Use kit 0355A3489G0001.

**5. I have an older version of DGPxxxABA firmware. What upgrade kit do I order to upgrade my DGPxxxABA to the latest firmware revision?**

Use kit 0385A1186G0001.

**6. I ordered a DGPxxxABA but received a DGPxxxABA-0005.**

The DGPxxxABA-0005 is the standard version for ABA relays.

**7. I have an older version of DGPxxxACA firmware. What upgrade kit do I order to upgrade my DGPxxxACA to the latest firmware revision?**

Use kit 0361A7507G0001.

**8. What model of test plug should be used for the DGP?**

The DGP uses test plug models XTM28L1 (two of these are used for the left side) and XTM28R1 (two of these are used for the right side).

**9. Can individual modules be replaced while the DGP is energized?**

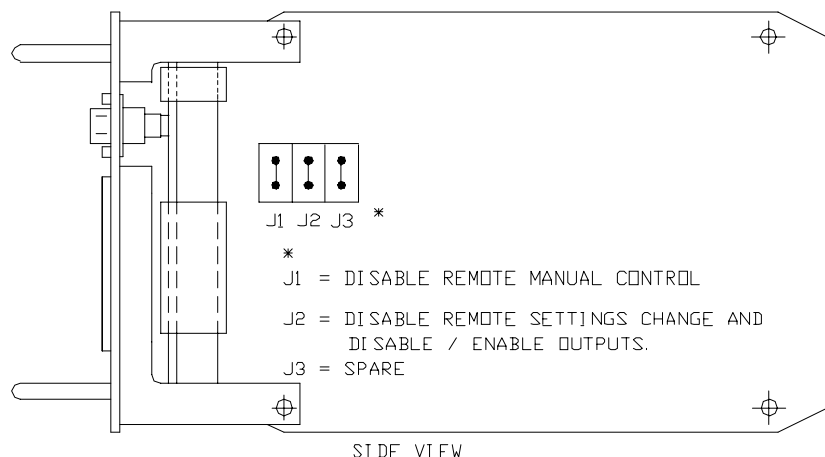
The relay should be powered down by removing the test plugs or turning off the PS1 and PS2 switches before replacing modules. Failure to do so can permanently damage the relay!

**10. Will the DGP power supply work with an AC voltage?**

The DGP power supply does not contain a bridge rectifier. Therefore, the power supply only operates with DC voltage.

**11. Why can't I change settings with the GE-Link software?**

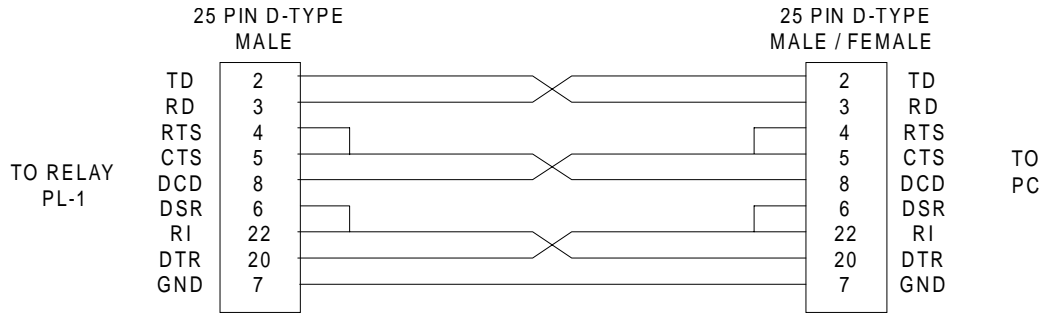
In order to download settings using GE-Link, the remote settings change jumper must be enabled. This is accomplished by moving the shorting pin on J2 on the right of the MMI301 module to one side as shown in the diagram below:



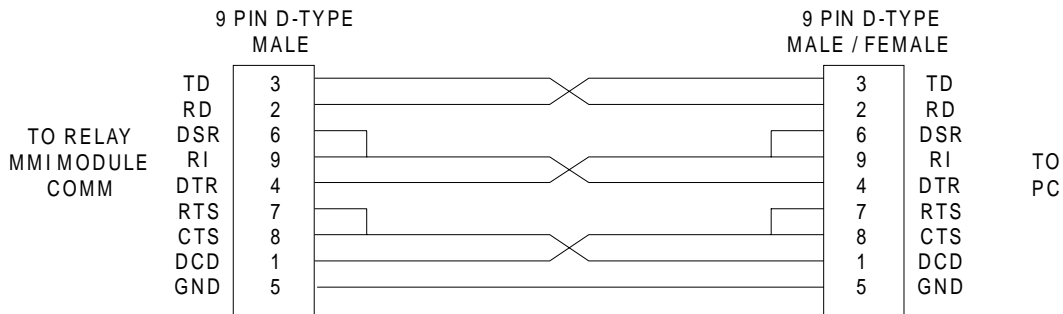


**12. What type of cable is required to communicate with my laptop?**

The DGP requires a special null-modem cable to communicate directly with a laptop PC (see connection diagram below). The cables are available from GE Power Management as part number 0246A9866. Please specify the cable type and connector gender when ordering.



**A) REMOTE COMMUNICATIONS TO PC DIRECTLY**



**B) REMOTE COMMUNICATIONS FROM MMI MODULE TO PC**

CABLES AVAILABLE AS GE PART NO. 0246A9866. SPECIFY CABLE TYPE AND CONNECTOR GENDER.

**13. Is Modbus communication available for all DGP models?**

Modbus communication is only available for DGPxxxBCA models.



## DGP Not-so-Frequently Asked Questions

Jump back to: [Frequently Asked Questions](#)

### 14. My relay displays a FAIL 520 error code.

Use the MMI Control password to enable outputs and recalculate the CRC.

### 15. My relay displays a FAIL 770 error code.

For the DGP5xxABA models, check that both power supplies are turned on.

For the DGP5xxAAA and DGP5xxACA models, ensure both power supplies are inserted correctly.

### 16. My relay displays a FAIL 738 error code.

Check that control voltage is as per the DGP power supply rating.

### 17. What do I do if I forget my Remote Password?

Press the [INF] key on the MMI and scroll down using the arrow keys to **Password** then press the [ENT] key. The message **VIEW** will be displayed. Press the up-arrow key once to see the encrypted password for VIEW. Press the up-arrow key again twice to see the encrypted password for SETTING and twice once more to see the encrypted password for CTRL. Use the password encryption table in Chapter 8 of the DGP manual to decode these passwords.

### 18. Why is there a discrepancy in the pickup of function 46?

The 46 function is a negative-sequence overcurrent function. Theoretically, when single-phase test current is used, the negative-sequence component of the test current is one-third of the applied current. Therefore, it will take the single-phase test current three times the 46 PICKUP setting for the function to start timing.

### 19. Where is the figure showing Curve 4 of the 24T function in the DGP manual?

Curve 4 is a definite time delay equal to the corresponding TIME FACTOR setting. Therefore, no figure is necessary. The same applies to Curve 2 of functions 59 and 27.

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