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| **Connect to Indicator (INPUT)** |
| **Connect to Start Pushbutton(OUTPUT)** |
| **SIM Card Place (GSM Module)** |
| **Relay (5V to 240V)** |
| **Microcontroller (9V)** |
| **DC-DC Rectifier(5V)** |
| **DC-DC Rectifier (5V)** |
| **AC-DC (12V:50A)** |
| **Design & Assemble by: Israel Goytom**  **Material by: NBU-MSE**  **Made for: TR Plastic Shoe** |
| [**www.habeshageeks.com/autoswitch**](http://www.habeshageeks.com/autoswitch)  **https://isrugeek.wordpress.com/** |

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| **Habesha Geeks**  **GSM Based Auto Switch For 630KVA Transformer** |

For Test Purpose Only

Step 1:

Open the Box using Screw and Insert SIM-Card Make Sure all cables are plugged.

Step2:

You can Supply 9V Battery Cell to the Arduino by Removing its DC Supply Cable and Replace it or you can leave it as it is.

Step3:

Connect the Wire from Terminal Box to the Step Down and Rectified Transformer (Red to Positive Blue to Negative)

Step 4:

Use the AC Socket cable and Plug it to Normal Socket check the Relay sound , the text message as well

For Proper and use installation

Step 1:

Open the Box using Screw and Insert SIM-Card Make Sure all cables are plugged.

Step2:

You can Supply 9V Battery Cell to the Arduino by Removing its DC Supply Cable and Replace it or you can leave it as it is.

Step3:

Connect the Wire from Terminal Box to the Step Down and Rectified Transformer (Red to Positive Blue to Negative)

* **Make Sure the Power is Turned Off from HV Side**

Step4:

Shunt Start Push button two wires to Relay (2) Make Sure the Power is Turned Off from HV Side

Step 5:

Shunt the Cable from Stop Indicator Light to AC input of Step Down and Rectified Transformer (Don’t forget the Ground)

Try Manually by shutting Down the Transformer and check if the Auto Switch can turn It on!

View this Website

🡪 https://isrugeek.wordpress.com/2017/10/11/gsm-based-auto-switching-system/