

Gold Circuit Controller (GCC/GCC 30A)



Installation Guide



1.1 Mounting

- Step 1. Turn power off at the service panel.
- Step 2. Use appropriate hardware to mount the Circuit Controller to the intended structure (wall or pole).
- Step 3. Thread on antenna and make sure enclosure is vertically aligned.
- Step 4. Secure the enclosure to prevent any damage.

1.2 Line Voltage Wiring

- Step 1. Remove panel cover and set aside.
- Step 2. Connect the device to the circuit as shown in the wiring diagram below.

GCC 30A TORQUE SPECIFICATION

T1 1-3: 13.0 +/- 1.0 in-lb

T1 5-11: 7.52 +/- 1.33 in-lb

T1 12-13: 15.93 +/- 1.77 in-lb

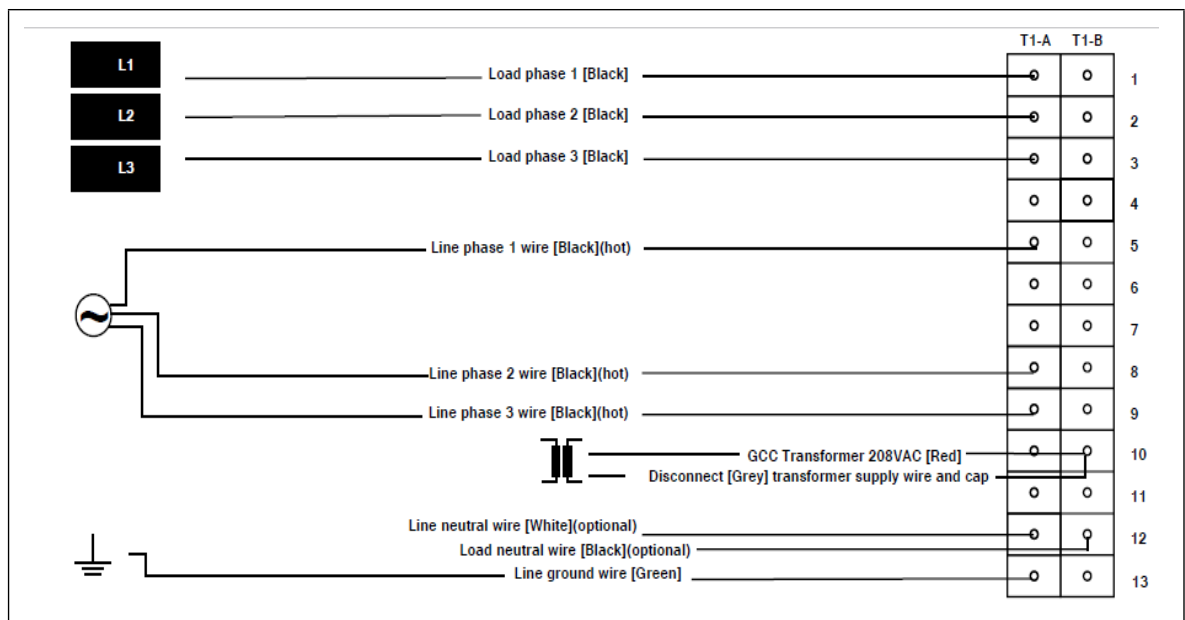


Figure 1: GCC 208 VAC Wiring Guide

Power Wiring Connections, 208 VAC

1. Line ground wire to the green/yellow terminal block T1-A-13
2. Line neutral wire to the white terminal block T1-A-12 (if present)
3. Line phase 1 wire to the red terminal block T1-A-5
4. Line phase 2 wire to the blue terminal block T1-A-8
5. Line phase 3 wire to the black terminal block T1-A-9
6. Load ground wire to the green terminal block T1-B-13
7. Load neutral wire to the to the white terminal block T1-B-12 (if present)
8. Load phase 1 wire to T1-A-1
9. Load phase 2 wire to T1-A-2
10. Load phase 3 wire to T1-A-3
11. Disconnect Grey Transformer supply wire from T1-B-10 and cap it
12. 208 VAC Red Transformer supply wire to the red terminal block T1-B-10

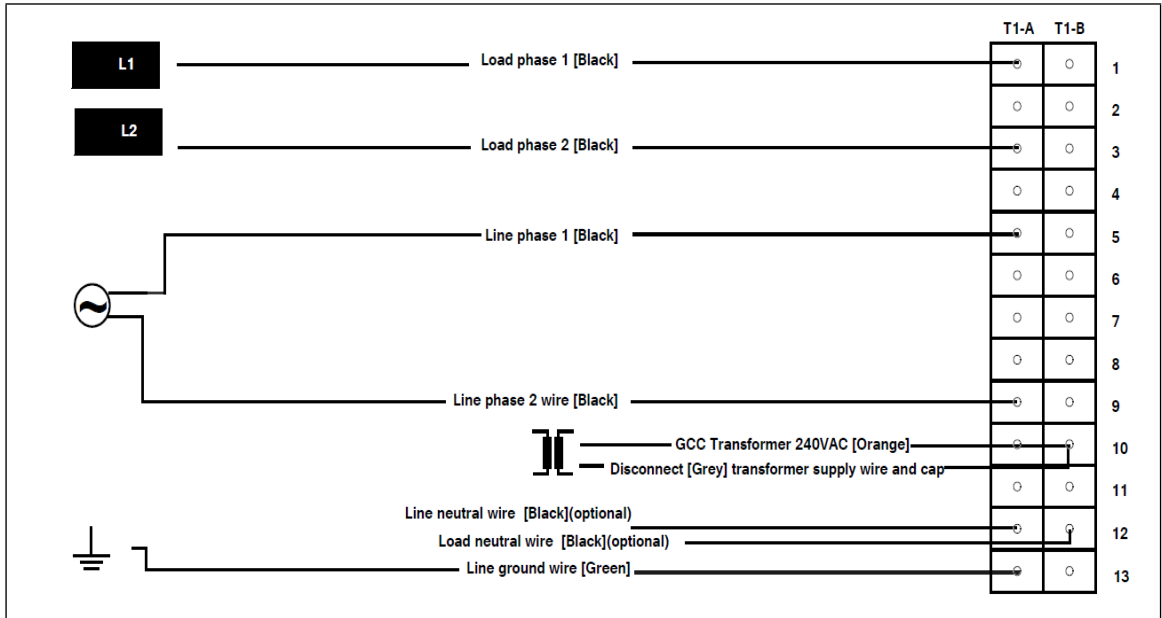


Figure 2: GCC 240 VAC Wiring Guide

Power Wiring Connections, 240 VAC

1. Wiring for dual phase wiring use red and black terminals.
2. Line ground wire to the green/yellow terminal block T1-A-13
3. Line neutral wire to the white terminal block T1-A-12 (if present)
4. Line phase 1 wire to the red terminal block T1-A-5
5. Line phase 2 wire to the black terminal block T1-A-9
6. Load ground wire to the green terminal block T1-B-13
7. Load neutral wire to the to the white terminal block T1-B-12 (if present)
8. Load phase 1 wire to T1-A-1
9. Load phase 2 wire to T1-A-3
10. Disconnect Grey Transformer supply wire from T1-B-10 and cap it
11. 240 VAC Orange Transformer supply wire to the red terminal block T1-B-10

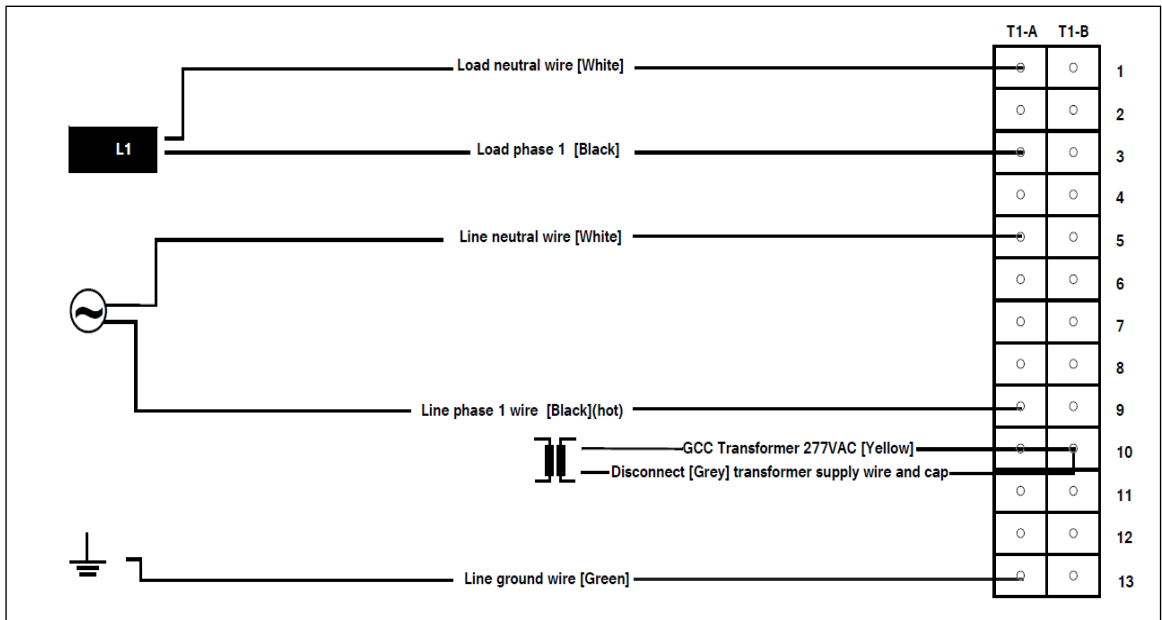


Figure 3: GCC 277VAC Wiring Guide

Power Wiring Connections, 277 VAC

1. Wiring for single phase wiring use red and black terminals.

2. Line ground wire to the green/yellow terminal block T1-A-13
3. Line neutral wire to the red terminal block T1-A-5
4. Line phase 1 wire to the black terminal block T1-A-9
5. Load ground wire to the green terminal block T1-B-13
6. Load neutral wire to T1-A-1
7. Load phase 1 wire to T1-A-3
8. Disconnect Grey Transformer supply wire from T1-B-10 and cap it
9. 277 VAC Yellow Transformer supply wire to the red terminal block T1-B-10

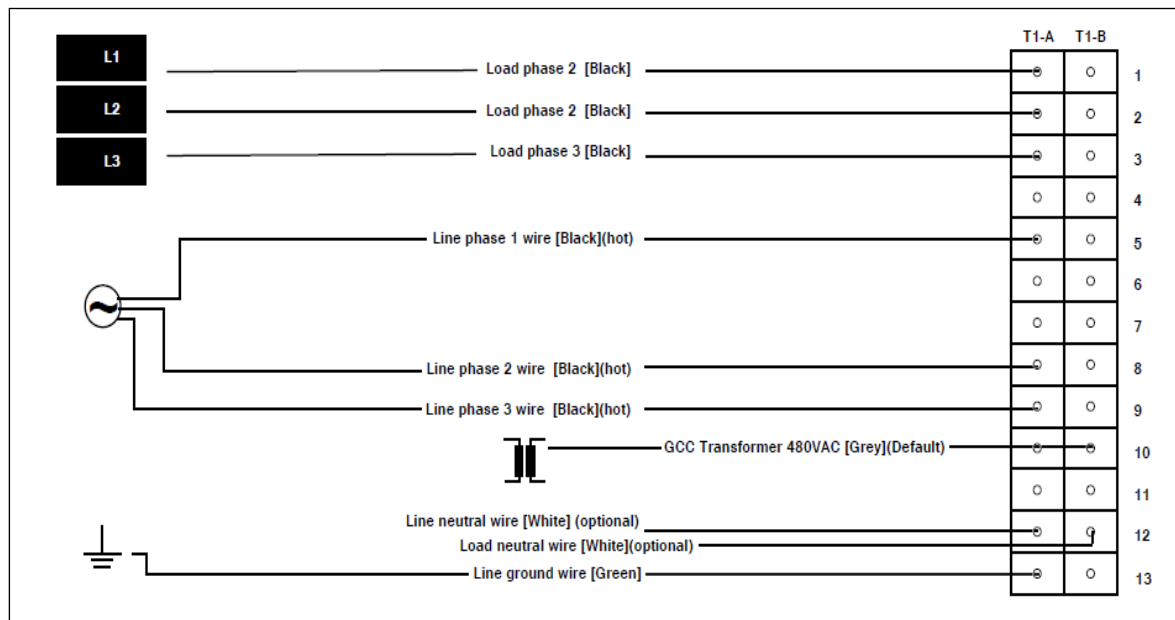


Figure 4: GCC 480 VAC Wiring Guide

Power Wiring Connections, 480 VAC

1. Line ground wire to the green/yellow terminal block T1-A-13
2. Line neutral wire to the white terminal block T1-A-12 (if present)
3. Line phase 1 wire to the red terminal block T1-A-5
4. Line phase 2 wire to the blue terminal block T1-A-8
5. Line phase 3 wire to the black terminal block T1-A-9
6. Load ground wire to the green terminal block T1-B-13
7. Load neutral wire to the to the white terminal block T1-B-12 (if present)
8. Load phase 1 wire to T1-A-1
9. Load phase 2 wire to T1-A-2
10. Load phase 3 wire to T1-A-3
11. 480 VAC Grey Transformer supply wire to the red terminal block T1-B-10

Step 3. Reinstall panel cover with provided screws.

Step 4. Restore power at service panel.

Step 5. LED Indicators:

- GREEN LED on the enclosure means power is on.
- RED LED on the enclosure means load is activated via controller. LED does not indicate when switch is activated and controller is not.

Step 6. Perform system setup and/or programming activities as applicable in accordance with the instructions of the system programming device (Gold Site Manager).

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