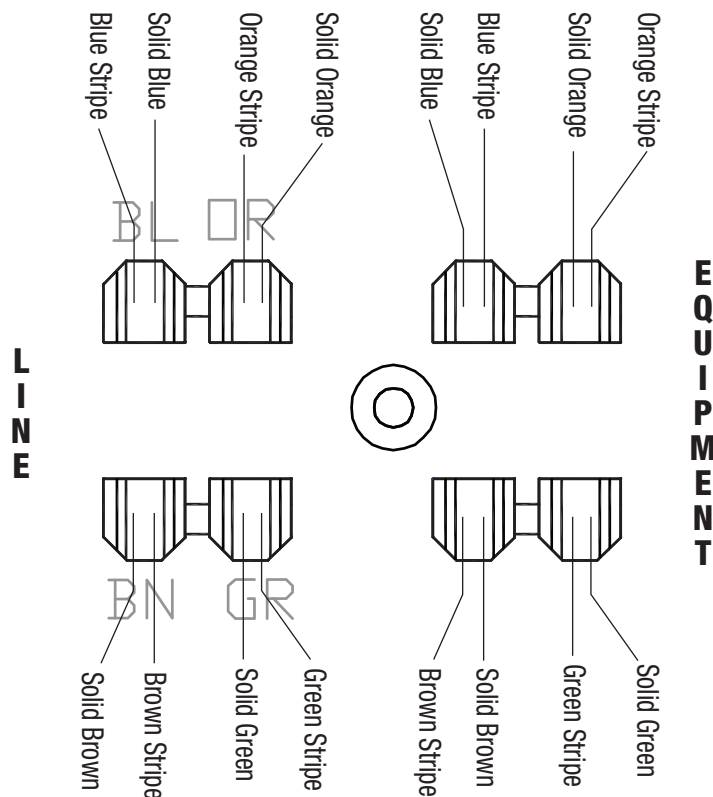


Note:

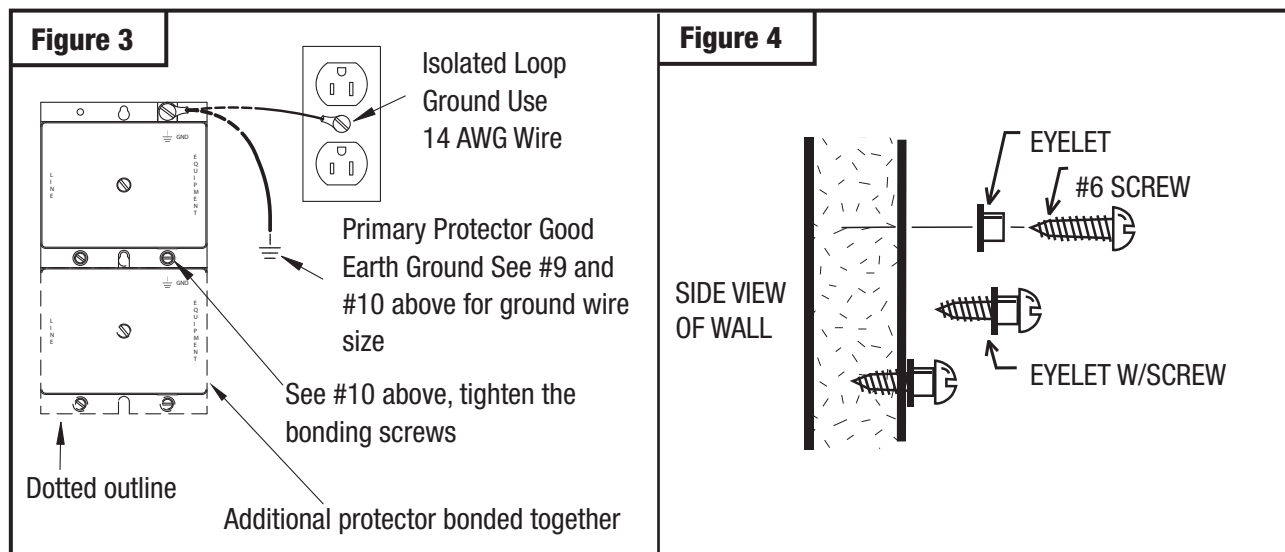
- ***The protector shall be installed in accordance with the applicable requirements of the National Electric Code, ANSI/NFPA-70, Article 800, Section C.***
- ***Never install telephone wiring during a lightning storm.***
- ***Do not attach module to an AC base unit in a Primary application.***

Enlarged View:
Punch-down for maximum data rate.



STEP 1: CONNECTION

1. Remove protector cover.
2. Strip off 1.5" of jacket from line input 24 AWG OSP cable and protected equipment cable.
3. Insert OSP cable ("LINE" side) into clip on the printed circuit board. If shielded cable is used, contact shield with the clip.
4. Punch down line input pairs on the 110 connectors ("LINE" side) carefully maintaining proper wire twist. (Note: The color code is printed on the PC board next to the connector.) See figure 1 on the reversed page.
5. Punch down the protected equipment pairs on the opposite 110 connectors ("EQUIPMENT" side) carefully maintaining proper wire twist. (Note: The color code is printed on the PC board next to the connector). See **Figure 1** and **Figure 2** on the reversed page.
6. Position and tightly secure a cable tie on each cable to provide strain relief next to cable exit holes in the protector housing.
7. Replace cover.
8. Mount protector to a solid surface, like plywood. Drill a 3/32 hole for the #6 x 3/4 screw and eyelets provided. See **Figure 3**. Attach screw and eyelet to wall and slide protector over screw and tighten. Add second screw to bottom of protector.
9. When used as a Primary Protector, connect the grounding strip to a good earth ground with a minimum 10 AWG wire. Use ring lug and machine screw provided. Route wire as direct and as short as possible. For Isolated Loop applications, connect to a single point ground with a minimum 14 AWG wire as shown in **Figure 4** below.
10. Additional protectors may also be bonded together as shown in **Figure 2** below (dotted outline. Connect to a single point ground with a 6 AWG wire).



STEP 2: POWER UP!

After all the modules and base units have been properly installed and connected, turn on the power to the SurgeGate AC unit and then the protected equipment. You're Done!