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PlugLock-PRO Locking Outlet Systems

MODELS PGP-60, PGP-20 Instruction Sheet

General Information

Thank you for choosing a **Furman PlugLock-PRO** Locking Outlet System. The PGP-60 and PGP-20 provide unprecedented ease, versatility and reliability for power distribution in professional rack applications.

PGP-60 Features

- Three 20A circuits (12 AWG wiring on each)
- 24 Edison outlets (NEMA 5-15), eight outlets per circuit
- Isolated grounds per 20A circuit
- Supplied with 12 PlugLock brackets to securely lock plugs and wall warts; additional brackets available
- 60" tall
- Can be mounted to allow top or bottom 3/4" conduit connection
- Optional sequencing relays available
- Extremely versatile mounting ears
- Cost effective
- Ability to add local circuit breaker protection to each circuit
- Three Year Limited Warranty

PGP-20 Features

- Two 20A circuits (12 AWG wiring) — four outlets on one circuit and 10 on the other
- Can be mounted to allow top or bottom 3/4" conduit connection
- 14 Edison outlets, and only 30" tall
- Includes eight PlugLock brackets; additional brackets available
- Extremely versatile mounting ears
- Cost effective
- Three Year Limited Warranty

Options

- Additional PlugLock brackets and thumbscrews, 6 each per package, order BR-6.

Installing the PGP-60 or PGP-20

These products may require a licensed electrician to be involved. Don't be disappointed if your local building inspector doesn't care to hear how many racks you've wired, or that you toured with KISS. Furman cannot take responsibility for improperly installed or wired products, and is giving you due warning to do it right and be safe.

1. Choose an adequately sized junction box before beginning. Depending on your application, we suggest the Furman PGP-S, or other models of 8" x 8" x 4" in size or similar from such manufacturers as Milbank, Thomas and Betts, Wiegmann, and others too numerous to mention. The PlugLock-PRO provides an opening for a 3/4" nipple. To facilitate a neat and professional job, the shortest nipple practical will be the best choice. Our decision on wire lengths should be adequate once installed to the junction box. Carefully plan your installation, paying particular attention to the locations of internal frame members in your rack. In addition, be sure that your junction box will allow the PlugLock-PRO to be mounted flush to the rack surface. If this is an issue, we've found that an offset nipple works well to get the surfaces in the same mounting plane (Thomas and Betts Model HO222 works well).

2. Before mounting the PGP, you must remove its endplate (the wired end) to mount the appropriate nipple and to feed the wires from the outlets through it. Remove three panhead phillips screws from the top and side surfaces, and one flathead phillips screw from the mounting surface side. Pull the wires out of the end plate and remove the plastic bushing that protects the wires. Slip the locknut for the nipple over the wires, the wires through the endplate, and feed one group of wires (3 wires) at a time through the nipple to avoid a logjam due to the wire markers that are attached to each group. Once all wires are through the nipple, tighten nipple and locknut as securely as possible without perforating a finger. Reinstall the endplate.

3. Mount the junction box to the rack or to the PGP first, depending on your particular installation. Finally, attach the PGP to the rack members and wire the circuits to the incoming power wires, being sure to use the proper size wire nuts. **IMPORTANT:** Remember that the "extra" green wire connects to the chassis of the PGP, and needs to be bonded to the incoming ground wire from the main service panel.

4. Test each outlet in each circuit for continuity, proper voltage under load, and proper phasing. Call, mail, or e-mail us with descriptions and photos of your install, and we'll share them (and your name) with the industry, and on our website.

PGP-20 and PGP-60



PGP-60, PGP-20 SPECIFICATIONS

| | |
|---------------|--|
| Rating: | PGP-60: 60A, three 20A circuits, PGP-20: 40A, two 20A circuits, |
| Outlets: | PGP-60: 24 Edison outlets (8 per circuit) PGP-20: 14 Edison outlets (4 on one circuit, 10 on the other) |
| Construction: | Steel chassis, zinc chromate plating |
| Dimensions: | PGP-60: 60.125" H x 2" D x 2.734" W PGP-20: 30" H x 2" D x 2.734" W |
| Weight: | PGP-60: 10 lbs. 4 oz. (6 kg) PGP-20: 5 lbs. 2 oz. (kg) |

IMPORTANT: Photo above shows a typical installation; the junction box is not included.

Optional PGP-S Power Switcher

- Rugged, 8" x 8" x 4" junction box with three 20-amp relays
- Terminal strip allows remote control via safe, inexpensive, low voltage Class 2 wiring from a Furman PowerLink Remote AC Power Sequencer or the ASD-120 Sequenced Power Distro
- Designed specifically for mounting at the bottom of a PGP-20 or PGP-60, and also serves as a main junction box for all power interconnects
- Includes an internal 12 VDC supply, and can be controlled from remote locations using the PowerLink, ASD-120, or, for simpler jobs, the Furman RS-1 and RS-2 Remote System Control Panels. The RS-1 provides maintained key switch; the RS-2 has a momentary switch. (See our web site or contact us for the Furman data sheets for these products for more information.)
- Multiple PGP-S's may be controlled by a single switch closure, or by the PowerLink's or ASD-120's control signal.
- Designed for permanent installs with 3/4" up to 1 1/2" conduit
- All four sides of the enclosure have multiple knockouts to accommodate every installation.
- UL and CUL (Canadian) listings pending.
- Three Year Limited Warranty



PGP-S

Three Year Limited Warranty

The Furman PGP-60, PGP-20 and PGP-S are warranted against failures due to defective parts or faulty workmanship for a period of three years after delivery to the original owner. During this period, Furman will make any necessary repairs without charge for parts or labor. Shipping charges to the factory or repair station must be prepaid by the owner; return shipping charges (via UPS Ground) will be paid by Furman.

This warranty applies only to the original owner and is not transferable. Also, it does not apply to repairs done other than by the Furman factory or Authorized Repair Stations.

This warranty may be cancelled by Furman at its sole discretion if the unit has been subjected to physical abuse or has been modified in any way without written authorization from Furman. Furman's liability under this warranty is limited to repair or replacement of the defective unit.

Furman will not be responsible for incidental or consequential damages resulting from the use or misuse of its products. Some states do not allow the exclusion of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Warranty claims should be accompanied by a copy of the original purchase invoice showing the purchase date (if a Warranty Registration Card was mailed in at the time of purchase, this is not necessary). Before returning any equipment for repair, please read the important information on service, which follows.

Service

Before returning any equipment for repair, please be sure that it is adequately packed and cushioned against damage in shipment, and that it is insured. We suggest that you save the original packaging and use it to ship the product for servicing. Also, please enclose a note giving your name, address, phone number and a description of the problem.

NOTE: All equipment being returned for repair must have a Return Authorization (R/A) Number. To get an R/A Number, please call the Furman Service Department, (707) 763-1010 ext. 40, between 8 a.m. and 5 p.m., U.S. Pacific Time.

Please display your R/A Number prominently on the front of all packages.