PG-Flex^{Plus} PRL-779 List 1E and PRL-770 List 2E Indoor Remote Terminal Enclosure

The PairGain® PG-Flex^{Plus} ™ PRL-779 List 1E supports six Loop Start and Ground Start (LS/GS) POTS subscribers.

The PairGain® PG-Flex^{Plus} ™ PRL-770 List 2E supports four Loop Start (LS) POTS subscribers.

Installation and maintenance to be performed by qualified service personnel only. This RT is to be installed in a restricted access location.

Required Equipment

- LS/GS Telephone Test Set
- 1/4-inch (6.35 mm) flat-head screwdriver
- #1 Phillips screwdriver
- insulated-handle 3/8-inch (9.52 mm) nut driver
- insulated-handle wire stripper
- insulated-handle needle nose pliers
- insulated-handle wire cutter

Use care when working with telephone lines. Disconnect phone lines and power connections before servicing or disassembling this equipment. It is unsafe to install phone wiring during a lightning storm. Use only power supplies listed by a locally recognized organization. External wiring to the product should follow local wiring codes. Treat the HDSL pair as if it had high voltage present. If installing an HDSL pair already connected to a COLU, dangerous voltages are present. Unless previously disabled by means of Craft provisioning, the COLU periodically attempts to power-up the RT by applying to the HDSL pair +130 Vdc, with respect to ground.
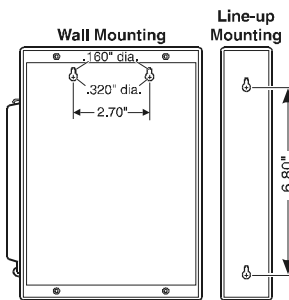
Prepare the RT for Wiring

HDSL and subscriber wiring are threaded through the Insulation Displacement Contact (IDC) connector located on the right-hand side of the RT. Use either the wall mounting or the line-up template provided in the Mounting Kit for the Remote Terminal (RT) wall positioning.

Before setting up the equipment, select a location that will allow sufficient access to wiring connections from the Telco access door.
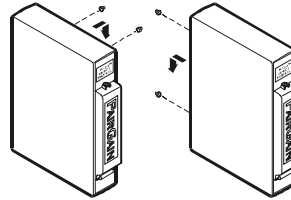
Mounting Options

Use the back panel of the enclosure, or the template located on the back of this sheet for marking the locations of mounting holes as shown in the figure on the right. Wall Mounting is preferable.

Wall Mounting
.160" dia.
.320" dia.
2.70"

Line-up Mounting
6.80"

Mounting

Use the two No. 6 x 1-inch wood screws provided in the Mounting Kit to attach the RT to the wall of the restricted access area.
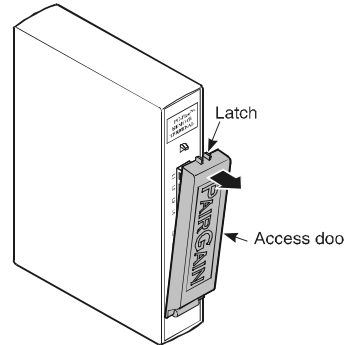

Wiring the RT

During installation, refer to the RT Reference label affixed inside the Telco Access door. The Reference label identifies the Frame Ground and HDSL Tip and Ring, and the Subscriber Line wires.

Opening the Telco Access Door

You have full access to the RT interior and the Line Modules by opening the Telco Access door. The Telco Access door can be opened by detaching the latch from the RT as shown in the figure on the right.
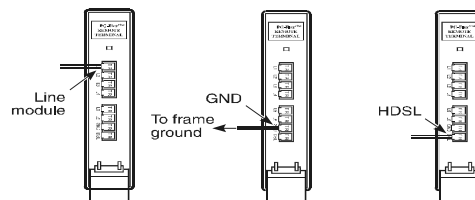

Latch
Access door

Attaching the FGND, HDSL and Subscriber Line Wires

This RT does not provide primary protectors on the HDSL or subscriber pairs. The primary protection for HDSL pairs must be an integral part of the premises wiring. If the subscriber wiring is routed outside of the premises for any reason, then primary protection for subscriber pairs must also be an integral part of the premise wiring.

1 Open the Telco Access door.
2 For the FGND and Subscriber Line Wires, pivot the IDC connector upward, then insert the FGND wire through either the Tip or Ring hole (see figure). Each wire entry hole accepts one unstripped solid copper ground wire 22-24 American Wire Gauge (AWG) with a maximum insulation diameter of 1.52 mm.
3 Press the IDC connector downward to secure the FGND and Subscriber Line Wires.

Line module
GND
To frame ground
HDSL

4 Insert the Tip and Ring wires through the hole below the Telco Access door.
5 Repeat steps 2 through 4 to attach the HDSL wires.
6 Close the Telco Access door.

Turn-Up and Testing

To continue the installation of your PRL-770 and PRL-779 for readiness:

1 Ensure that at least one COLU is installed into the PG-Flex^{Plus} COT shelf. Refer to the appropriate COLU Technical Practice for verifying the COLU installation.
2 Locate the HDSL Tip and Ring on the protector block or punchdown, apply a short between the HDSL Tip and Ring conductors for at least 3 seconds. Start-up begins in 3 seconds after removal of the short. Within 2 minutes the system should provide dial tone and battery voltage on the subscriber pairs.
3 Listen for a dial tone using the customer phone line.
4 If dial tone is not heard, then refer to the appropriate COLU Technical Practice for COLU Fault Indicators.

Warranty

PairGain's warranty statement can be downloaded from the Service and Support portion of the PairGain Web site at http://www.pairgain.com.

ISO 9001
DNV
DNV Certification, Inc.
Certificated Firm

pairgain
THE POWER BEHIND DSL ACCESS

Mounting Screw Pattern Template: Scale 1.00

2.70

6.80