
ADDENDUM

PG-FLEX FRE-765

REMOTE TERMINAL ENCLOSURE

TWISTED PAIR WIRING INSTRUCTIONS

This addendum provides instructions for installing twisted cable pairs through the toroid (provided) and terminating the HDSL, Bypass, and Auxiliary power pairs on the FRE-765 Remote Terminal (RT) enclosures listed below. This document applies to the following PG-Flex FRE-765 RT enclosures:

Section Number	List Number	Part Number	CLEI Code
363-765-104-04	4	150-1365-04	VAMRBMOARA
	4A	150-1365-41	VAMRBNOARA
	4B	150-1365-42	VAMRBPOARA
	4F	150-1365-46	N/A
	4G	150-1365-47	VAMRBTOARA
	4H	150-1365-48	VAMRBUOARA
363-765-105-01	5	150-1365-05	N/A
	5A	150-1365-51	N/A



This addendum supersedes the HDSL, Bypass, and Auxiliary pair wiring instructions for the technical practices listed above.

This procedure must be followed to assure compliance within the limits of FCC rules, Part 15, Class B.

INSTALLATION PROCEDURE

The installation procedures are divided into two sections, each covering specific list numbers. Each section combines the installation procedures for terminating HDSL, Bypass, and Auxiliary power pairs. Refer to the table below for the procedure covering specific list numbers:

Procedure	Go to
FRE-765 List 4, 4A, 4B, 4F, 5, and 5A	page 2
FRE-765 List 4G and 4H	page 3

INSTALLING HDSL, BYPASS, AND AUXILIARY PAIRS

Install the HDSL, Bypass, or Auxiliary pairs for the appropriate FRE-765 RT enclosure, as described below.



All twisted pairs must be wrapped twice around the toroid in the same direction before terminating to the Quiet Front or RayChem™ terminals for the HDSL, Bypass, and Auxiliary Power connections.

FRE-765 List 4, 4A, 4B, 4F, 5, and 5A

Refer to [Figure 1](#) when performing this procedure.

- 1 Route the twisted pairs through the strain relief on the bottom of the FRE-765 RT enclosure.
- 2 Route the twisted pairs through the toroid (provided) making two complete wraps in the same direction.
- 3 For HDSL 1, terminate HDSL pair 1 on Quiet Front terminals HDSL_1_T (Tip) and HDSL_1_R (Ring).
For HDSL 2, terminate HDSL pair 2 on Quiet Front terminals HDSL_2_T (Tip) and HDSL_2_R (Ring).
- 4 For BYPASS, terminate the bypass pair on Quiet Front terminals BYPASS_T (Tip) and BYPASS_R (Ring).
- 5 For PWR 1, terminate auxiliary pair 1 on Quiet Front terminals PWR_1_T (Tip) and PWR_1_R (Ring).
For PWR 2, terminate auxiliary pair 2 on Quiet Front terminals PWR_2_T (Tip) and PWR_2_R (Ring).
- 6 Secure the cable with a tie-wrap to the bracket near the cable entrance of the RT enclosure.

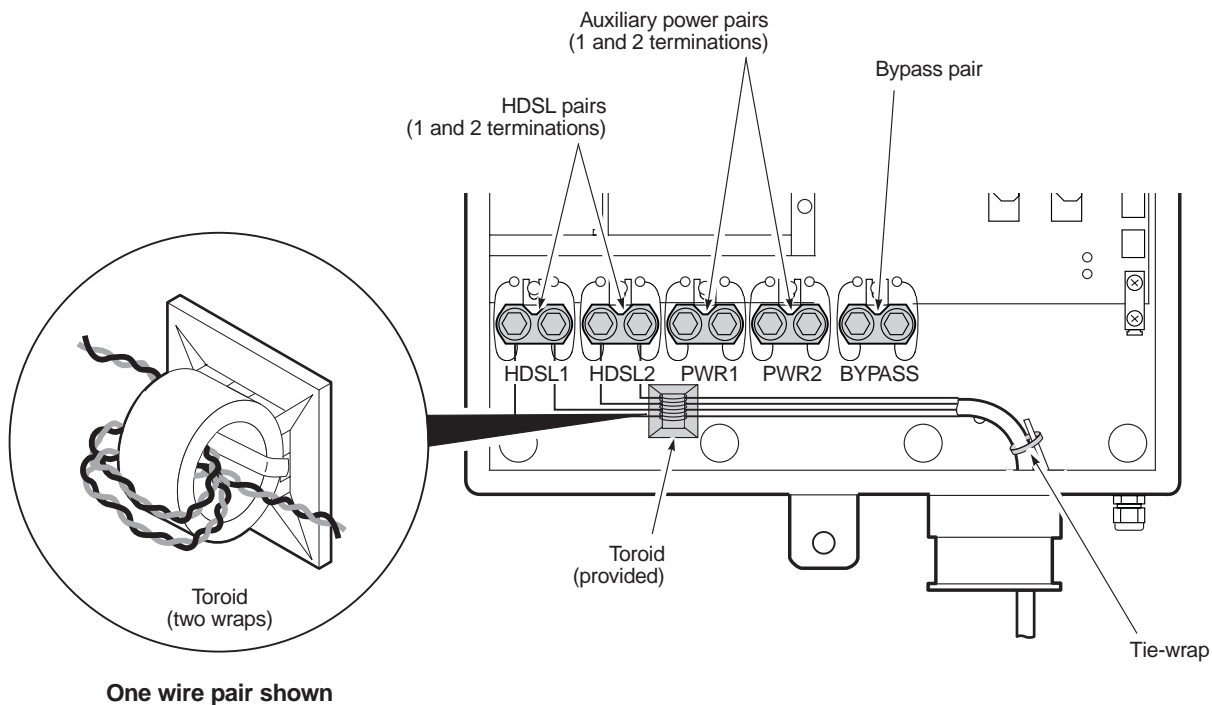


Figure 1. FRE-765 List 4, 4A, 4B, 4F, 5, and 5A Remote Terminal Enclosure

FRE-765 List 4G and 4H

Refer to [Figure 2](#) for List 4G and [Figure 3](#) on page 4 for List 4H when performing the following procedure.

- 1 Route the twisted pairs through the strain relief on the bottom of the FRE-765 RT enclosure.
- 2 Route the twisted pairs through the toroid (provided) making two complete wraps in the same direction.
- 3 For HDSL 1, terminate HDSL pair 1 on RayChem terminals HDSL_1_T (Tip) and HDSL_1_R (Ring).
For HDSL 2, terminate HDSL pair 2 on RayChem terminals HDSL_2_T (Tip) and HDSL_2_R (Ring).
- 4 For BYPASS, terminate the bypass pair on RayChem terminals BYPASS_T (Tip) and BYPASS_R (Ring).
- 5 For PWR 1, terminate auxiliary pair 1 on RayChem terminals PWR_1_T (Tip) and PWR_1_R (Ring).
For PWR 2, terminate auxiliary pair 2 on RayChem terminals PWR_2_T (Tip) and PWR_2_R (Ring).
- 6 For PWR 1A (List 4H only), terminate auxiliary pair 1A on RayChem terminals PWR_1A_T (Tip) and PWR_1A_R (Ring).
For PWR 2A (List 4H only), terminate auxiliary pair 2A on RayChem terminals PWR_2A_T (Tip) and PWR_2A_R (Ring).
- 7 For a List 4G, secure the cable with a tie-wrap to the bracket near the cable entrance of the RT enclosure. For a List 4H, secure the cable through the cable clamp on the angle bracket.

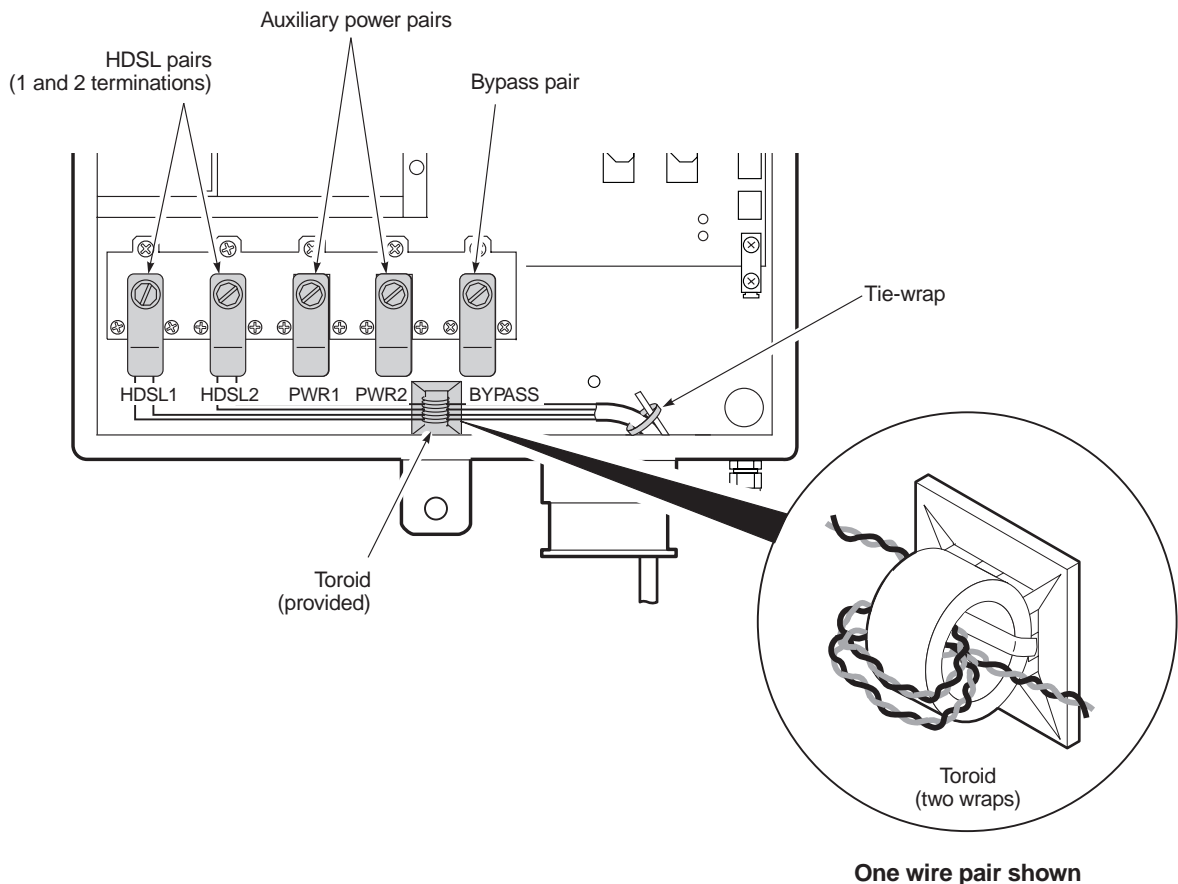


Figure 2. FRE-765 List 4G Remote Terminal Enclosure

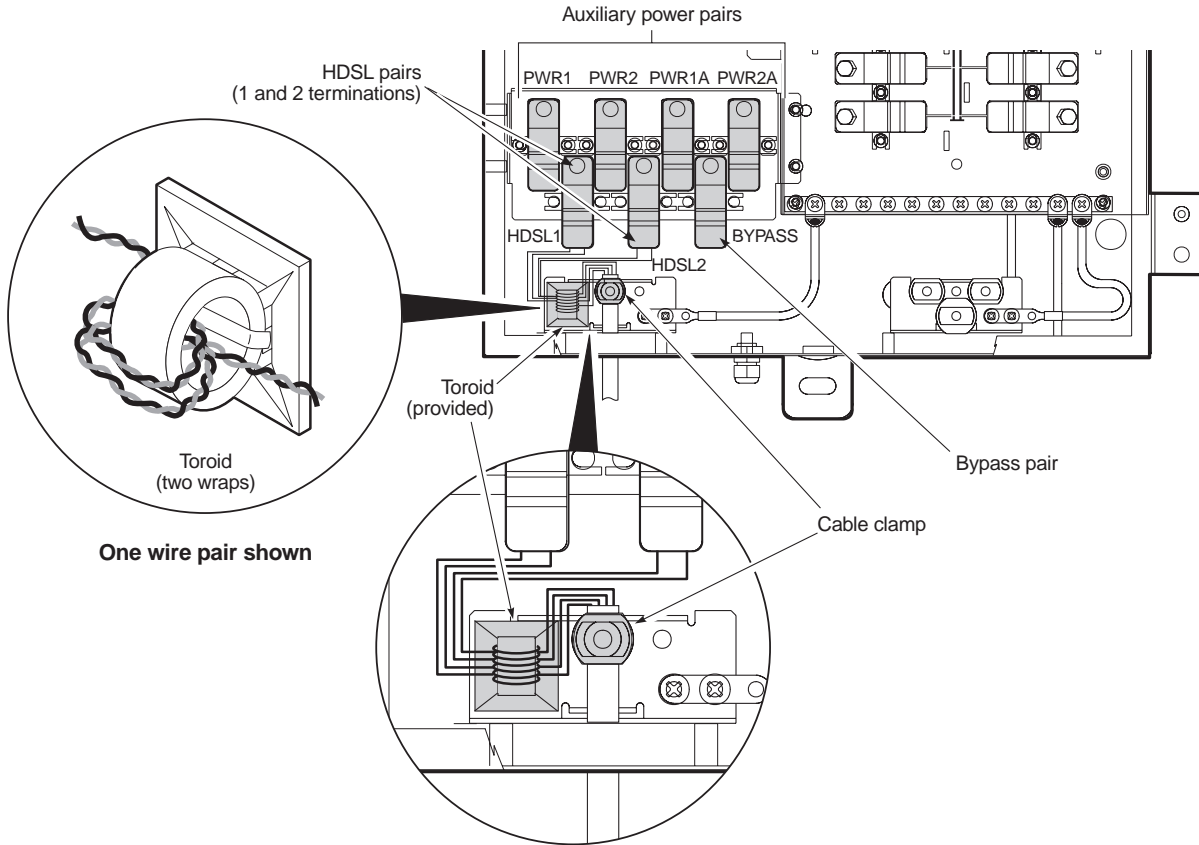


Figure 3. FRE-765 List 4H Remote Terminal Enclosure



For additional information, refer to the appropriate technical practice.

Corporate Office

14402 Franklin Avenue

Tustin, CA 92780

Tel: (714) 832-9922

Fax: (714) 832-9924

For Technical Assistance:

(800) 638-0031

