

Hybrid Fiber/Power Terminal with Overvoltage Protection



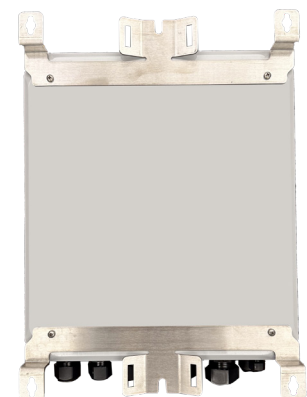
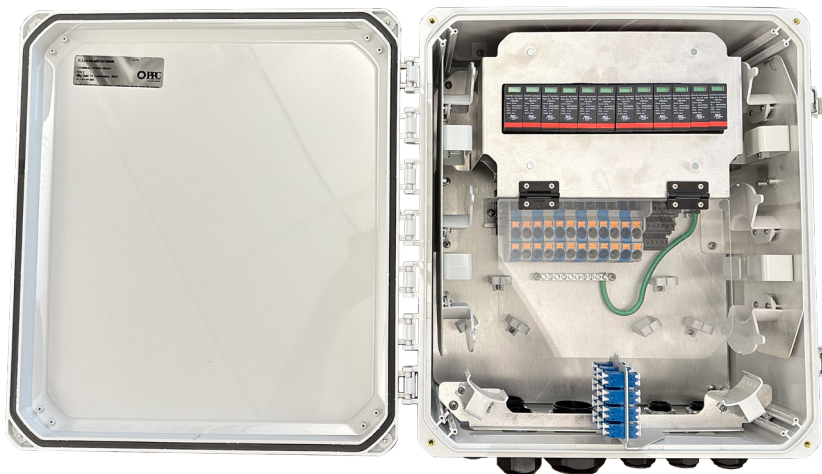
Features & Benefits

- Designed to transition fiber/power trunk connections to DC powered wireless radios
- Rated NEMA 4X for use in the harshest outdoor environments
- Configuration options to support up to six wireless radios
- Power still distributed even in the event of surge protection device failure
- Push-in type power terminal blocks for reliable connections and easy installation
- Terminal blocks for optional alarm wire connections
- Integrated Type 2 surge protection devices (UL 1449 5th Edition Listed)
- Surge protection devices include visual indicator after failure
- Sizeable slack storage for fiber trunk fanouts and FTTH jumper ends
- Fiber bulkhead adapter plate can accommodate connections for up to 12 dual LC connectors
- Cable gland sizes available for standard or armored FTTH jumper assemblies
- Included brackets designed for pole or panel mounting



Overview

The PPC Hybrid Fiber/Power Terminal with Overvoltage Protection is designed to distribute power and fiber connectivity for outdoor wireless networks while providing equipment protection from lightning strikes. Configurations are available to support three, four, or six radios and gland diameters for standard and armored FTTH jumper assemblies. Surge protection devices can be electronically status monitored and include a visual indicator window to easily detect a failure. In the case of a surge protection device failure, a module can easily be unplugged and replaced in the field. Cable gland entries are also included to support hybrid or discrete power and fiber trunk connections.



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Technical Data

Specification	Value
Enclosure Dimensions (WxHxD)	14 in x 16 in x 7 in (356 mm x 407mm x 178 mm)
Enclosure Environmental	NEMA 4X
Weight	3 radio - 25 pounds / 4 radio - 27 pounds / 6 radio - 29 pounds
Operating Temperature	-49°F to 185°F (-45°C to 85°C)
Safety	Enclosure materials and components individually UL Listed
Fiber Bulkhead	Dual LC UPC couplers (blue)
Power Terminal Block	Push-in connection 4-20 AWG / nom. voltage 1000 V / nom. current 76 A
Alarm Terminal Block	Screw connection 12-26 AWG / nom. voltage 500 V / nom. Current current 19 A
Surge Protection Device	Service voltage 48 Vdc
	Maximum continuous operating voltage 85 Vdc
	Maximum surge current 50kA 8/20 microseconds
	25 (or less) nanosecond response time
	Replacement SPD Module - Transtector part number I2R-T2DCR-48T-TT

Ordering Information

Part Number	Number of Radio Connections	Number of DLC Fiber Adapters	Power or Hybrid Trunk Gland Diameter	Fiber Jumper to the Radio Gland Diameter	Radio Power Gland Diameter	Ground Gland Diameter	Auxiliary or Fiber Trunk Gland
TL112D03A0B10C00W0	3	6	1.230" to 1.560" [31.2 to 39.6 mm]	.210" to .334" [5.3 to 8.5 mm]	.249" to .459" [6.3 to 11.6 mm]	.105" to .315" [2.7 to 8 mm]	.420" to .630" [10.7 to 16 mm]
TL112D03A0B10C01W0	3	6	1.230" to 1.560" [31.2 to 39.6 mm]	.420" to .630" [10.7 to 16 mm]	.249" to .459" [6.3 to 11.6 mm]	.105" to .315" [2.7 to 8 mm]	.420" to .630" [10.7 to 16 mm]
TL116D04A0B10C00W0	4	8	1.230" to 1.560" [31.2 to 39.6 mm]	.210" to .334" [5.3 to 8.5 mm]	.249" to .459" [6.3 to 11.6 mm]	.105" to .315" [2.7 to 8 mm]	.420" to .630" [10.7 to 16 mm]
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TL124D06A0B10C00W0	6	12	1.230" to 1.560" [31.2 to 39.6 mm]	.210" to .334" [5.3 to 8.5 mm]	.249" to .459" [6.3 to 11.6 mm]	.105" to .315" [2.7 to 8 mm]	.420" to .630" [10.7 to 16 mm]
TL124D06A0B10C01W0	6	12	1.230" to 1.560" [31.2 to 39.6 mm]	.420" to .630" [10.7 to 16 mm]	.249" to .459" [6.3 to 11.6 mm]	.105" to .315" [2.7 to 8 mm]	.420" to .630" [10.7 to 16 mm]

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