

MPP

Modular Protector Panel

Modular Plug-In Protection for High-Speed Copper/Fiber Networks and Security Alarms at Cellular Base Stations

18 Module Positions in 1RU

Single Panel Protection Solution for All High-Speed Services

Ethernet and T1/E1 Protection Modules Evaluated to Primary Protection Levels

Each Alarm Module Protects 32 Alarm Circuits



MPP



ALA



DS203M



372TR



SC1RM

The Tii Modular Protector Panel is designed to support a variety of high-speed copper/fiber networks. This unit can be adjusted to fit 19" or 23" rack mount or wall mount applications and accommodates up to 18 plug-in modules. Each module contains front and rear connectors that allow service providers to offer a convenient customer access point.

KEY PRODUCT BENEFITS

- ▶ Plug-in modules are designed for a variety of high-speed copper and fiber networks including Ethernet, GPON, T1, DS3 networks and cellular base station alarms.
- ▶ Panel can be adjusted to fit a 19" or 23" rack mount or wall mount application.
- ▶ Panel accommodates up to 18 single slot plug-in modules.
- ▶ Protection modules are designed with front and rear connectors which offers convenient and easy access to the panel.
- ▶ Ethernet/T1/E1 protection and alarm circuit modules utilize GDT for primary surge protection using fast clamping TVS diodes, high energy gas discharge tubes and PTCs for over current protection/coordination with a balanced low voltage solid state secondary surge protector.
- ▶ Selection of protection components in the Ethernet/T1/E1 protection modules provides superior primary and secondary protection coordination, resulting in state of the art protection.
- ▶ Protection circuit design allows minimal let through surge energy to the protected circuits ensuring long performance life.
- ▶ Multiple grounding points on protection modules provide superior surge energy diversion to ground
- ▶ Fiber adapter modules available include: LC, SC, FC, SC/APC

INDUSTRY STANDARDS

- ▶ cUL Listed



Tii Technologies Inc.

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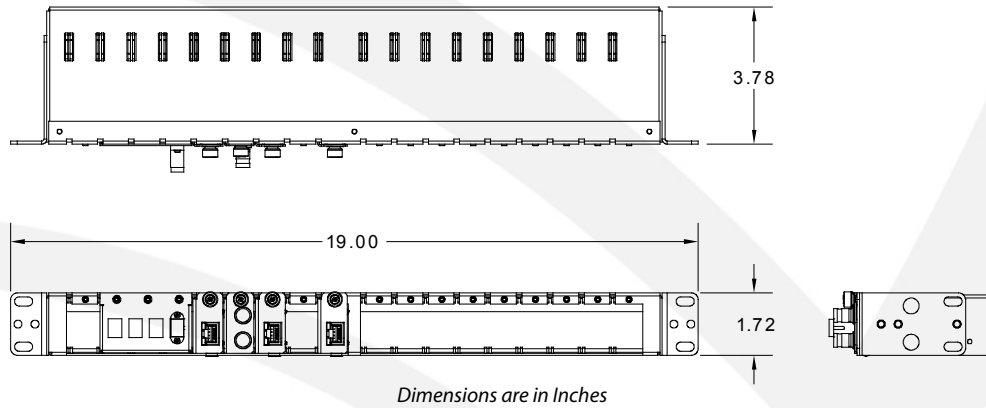
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MPP



SPECIFICATIONS

Ethernet/T1/E1

DC Breakdown (Equipment Side)	30V Max
Impulse Breakdown @ 100V/μS (Equipment Side)	40V Max
Maximum Single Impulse Discharge Current, 8/20 μS, Total	10 kA

DS3 Module

DC Breakdown (Equipment Side)	300V Max.
Impulse Breakdown @ 100V/μS	500V Max.
Maximum Single Impulse Discharge Current, 8/20 μS	5 kA

Alarm Circuit Protector Module

DC Breakdown	30V Max.
Impulse Breakdown @ 100V/μS	50V Max.
Maximum Single Impulse Discharge Current, 8/20 μS, Each Line	5 kA

ORDERING INFORMATION

Model No.	Application	Description	Number Positions Occupied	Maximum Modules Per Panel
MPP		1RU 19" Modular Protector Panel Housing - Empty (18 Module Positions)		
372ER	Ethernet	Ethernet Protector - Front/Rear (1 pair/module)	1	18
372EF	Ethernet	Ethernet Protector - Front/Front (1 pair/module)	1	18
372TR	T1/E1	T1/E1 Protector- Front/Rear (1 pair/module)	1	18
372EF	T1/E1	T1/E1 Protector - Front/Front (1 pair/module)	1	18
ALA	Alarm	4 Ports Alarm Protector Module (32 lines/module)	6	3
DS203M	Coax	Coax Protector (1 pair/module)	1	18
LC1RM	Fiber	LC UPC Duplex Fiber Connector Module (4/module - 8 fiber ports)	3	6
LA1RM	Fiber	LC APC Duplex Fiber Connector Module (4/module - 8 fiber ports)	3	6
FC1RM	Fiber	FC UPC Simplex Fiber Connector Module (4/module)	3	6
FA1RM	Fiber	FC APC Simplex Fiber Connector Module (4/module)	3	6
SC1RM	Fiber	SC UPC Simplex Fiber Connector Module (4/module)	3	6
SA1RM	Fiber	SC APC Simplex Fiber Connector Module (4/module)	3	6
MPP BFP		Blank Filler Plate	6	3