



# PLUG-IN COMBINATION PROTECTOR

Provides a simple, effective and economical way of total protection solution for the office or home equipment

- ◆ All mode protection
- ◆ Highest safety standard design
- ◆ Multi-stage protection for surges suppression and filtering
- ◆ Multi-purpose protection design
- ◆ LED status indication
- ◆ Easy installation and maintenance free
- ◆ Up to 8 power outlets and rack-mount design to choose



## All mode protection-PCP series

plug-in combination protector offers all mode(L-N, L-E and N-E) and repeated surges and transients filtering for the general equipment in the commercial or home environment

## Highest safety standard design -It

has been engineered to the industry's safest criteria for full compliance with ULI1449 Edition2 by using a specially designed metallic enclosure. With the included thermal and short circuit fusing , it ensures safe isolation during sustained abnormal over-voltage events and component failure.

## Multi-stage protection for surges suppression and filtering -PCP

plug-in combination protector utilize multi-stage design. The first stage rapidly diverts excess transient surges to ground The second stage uses low pass filter to discriminate the noise, harmonics and remaining surges from the normal supply The third stage ensures the impulses generated by the connected load will not return to the supply

## Multi-purpose protection design

PCP protectors are designed for the

total protection solution of all the OA equipments at the modern office or at home. No matter it is the power line ,Audio ,Video ,Fax, Modem, Networking products or leased lines, PCP offers the simple yet economical protection.

**LED status indication** -There are two LED indicators to monitor the integrity of the protection.

**Easy installation and maintenance free** -The unit is carefully

designed which not only makes it working properly for years but also maintenance free. It can be laid on the table or easily mounted on any flat surface by an optional bracket A plug-in IEC input power cord connects the unit to the local power outlets and it is ready to connect to the equipment.

**Up to 8 power outlets and rack-mount design to choose**

In rack-mount applications, PCP protectors not only provides surge protections for multi-equipments but also act as a power distribution panel with individual outlet switch. Different power outlets model is available.





# SPECIFICATIONS AND DRAWINGS

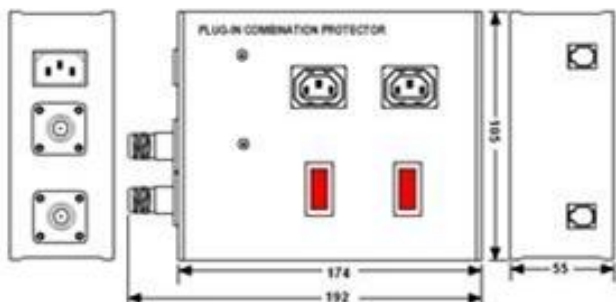
## Installation

The filters are connected in series with the protected system (load) as illustrated below:



For detail installation requirements, pls refer to relevant user manual.

## Dimensions



## Ordering Information

MODEL	COAXIAL CONNECTOR	SIGNAL CONNECTOR	DESCRIPTION
PCP21-F/L	F type (F/F)	RJ45 jack to jack	plug-in combination protector
PCP21-F/T	F type (F/F)	RJ12 jack to jack	plug-in combination protector
PCP21-V/L	TV aerial type (F/F)	RJ45 jack to jack	with coaxial line and
PCP21-V/T	TV aerial type (F/F)	RJ12 jack to jack	with coaxial line and
PCP21-B/L	BNC type (F/F)	RJ45 jack to jack	with coaxial line and
PCP21-B/T	BNC type (F/F)	RJ12 jack to jack	with coaxial line and
PCP21-N/L	N type (F/F)	RJ45 jack to jack	telecom line
PCP21-N/T	N type (F/F)	RJ12 jack to jack	telecom line
PCP21-N/T	N type (F/F)	RJ12 jack to jack	Protection

### Notes:

- All the above models have two IEC power outlets, user can also order 4, 6 or 8 power outlets, just replace the number 2 by 4, 6, or 8.
- British and Australian power outlets are available which denoted by PCP2B and PCP2A respectively.
- Other countries' power outlets are available on request
- An eight Australian power outlets, BNC coaxial connector, RJ12 jack to jack protector requirement, the model should be PCP8A-B/T
- Other coaxial connector types are available on request
- Users need 100BaseT, 1000BaseT or pwer -over-ethernet protection, pls use "/C5", "/C6" or "/PoE" respectively to replace "L" or "T" in t hemodel number  
e.g. PCP21-N/C5
- Wall mount and rack mount bracket is available on requested.
- If only multi-outlets power protection is required, model number will be like PCP61, that is 6 IEC power outlets only, no coaxial and telecom line protection.

## General Specifications

The following specifications are for power line, for video line, telecom line or ethernet, pls referto their individual brochure.

Nominal voltage:	220Vrms
Operating voltage:	200-280Vrms
Max. Load current:	15A
Operating frequency:	40-60Hz
Connection type:	Series
Max. Surge rating:	16KA (8/20µs)
Let through voltage:	<380V for 3KA Cat B
Protection mode:	LN ,LE ,NE
Earth leakage current:	<20µA
Efficiency:	99%
Frequency response:	3dB (at 800Hz)
Response time:	<5ns
Standards compliance:	BS6651-1999 cat.A.B.C AS1768-2003 cat.A.B.C IEEE C62.41 cat.A.B.C CP33-1999 cat.A.B.C IEC 1000-4-5 1995 UL1449 second edition
EMC compliance:	BS EN 60950: 1992 BS EN 61000: 1999
Power input socket:	IEC standard inlet
Power cord plug:	British type, other type also available
Power output socket:	2 IEC power outlets, British, Australian and other countries power outlets are available
LED indicator:	Protection status (Green=OK) Power (Red=ON)
Mounting:	Optional mount bracket for flat surface and 19" rack
Enclosure material:	Anodized aluminum
Operating temperature:	-40~85°C
Humidity:	0-95%(R.H.)
Weight:	PCP2 ~ 1kg PCP4 ~ 1.3kg PCP6 ~ 1.5kg PCP8 ~ 1.8kg