Thank you for purchasing the PD-28-SP. Please read these instructions thoroughly before installing this product.

PRODUCT FEATURES
The PD-28-SP is a small-footprint SPD designed to be installed behind digital signage, video monitors, and any location where you have space limitations. Cost effective yet high performance series surge protection, EMI filtering, and basic diagnostics in a compact package. LEDs indicate incoming voltage status (over voltage/under voltage), and surge protection status. An internal relay disconnects the load equipment in the event of an over voltage/under voltage condition.
IMPORTANT SAFETY INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS!
CONSERVER CES INSTRUCTIONS!

CAUTION! Failure to read, understand and follow the following information may result in serious personal injury, damage to the equipment or voiding of the warranty.

ATTENTION! Échec à lire comprendre et suivre les informations suivantes peut entraîner des blessures corporelles graves, des dommages matériels ou annuler la garantie.

CAUTION! This equipment is not intended to be used in conjunction with life support systems or life saving devices.

ATTENTION! Cet équipement n'est pas prévu pour être utilisé en conjonction avec les systèmes de survie ou dispositifs de sauvetage.

CAUTION! Ensure this device is connected to a properly grounded AC power source. Ensure the device is plugged into a source providing the required 120V. Do not use a plug adapter that defeats the ground pin of the AC plug.

ATTENTION! Assurez-vous cet appareil est connecté à une source d'alimentation A/C avec mise à la terre. Assurez-vous cet appareil est branché sur une source d'alimentation fournissant les nécessaires 120V. Ne pas utiliser un adaptateur qui contrecarre la broche de terre de la prise du cordon d'alimentation.

CAUTION! Route the power cord and other cables so that they are not likely to be walked on, tripped over, or stressed. Pay particular attention to the condition of the cords and cables at the plugs, and the point where they exit your unit.

ATTENTION! Acheminez les cordons d'alimentation et les autres câbles de manière à ce qu'on ne puisse pas les écraser ni trébucher sur ceux-ci. Portez une attention particulière à la condition des cordons et des câbles aux points précis où ils sortent de votre dispositif de conditionnement de l'alimentation.

CAUTION! To reduce risk of shock, disconnect the device from the power source before servicing any connected equipment.

ATTENTION! Pour réduire les risques d'électrocution, débranchez l'appareil de la source d'alimentation avant l'entretien de tout équipement connecté.

CAUTION! Do not overload this device. Ensure the total load to this device does not exceed that which is listed in the specifications section of this manual.

ATTENTION! Ne pas surcharger cette appareil. S'assurer que la charge totale à cet appareil ne dépasse pas celle qui est répertoriée dans la section des spécifications de ce manuel.

CAUTION! There are no user-serviceable components within this device. Removal of the cover from this device may present a shock hazard, and void the warranty.

ATTENTION! Il n'y a pas de composants réparables par l'utilisateur au sein de cet appareil. Retrait de la couverture de cet appareil peut présenter un danger d'électrocution et annuler la garantie.

REGULATORY COMPLIANCE

The product meets the requirements of the following standards:
UL 1449, UL 1283
CSA C22.2 No. 8, General instruction Nos. 1, 2 and 3 with TIL 516
CAN ICES-3(B)/NMB-3(B)

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.
NOTE: If the 8 AMP limit is exceeded, the circuit breaker will trip.

1 **INPUT VOLTAGE LED**: Protected when illuminated green. If LED is not illuminated, the unit is not receiving power.

2 **OVER VOLTAGE LED**: Illuminates red when there is an over voltage condition. Otherwise the LED is off.
   - Over Voltage Threshold: Upper Limit Cutoff (135V) - Upper Limit Restore (126V)
   - NOTE: If limit exceeded, the internal relay will open to protect the unit.

3 **UNDER VOLTAGE LED**: Illuminates red when there is an under voltage condition. Otherwise the LED is off.
   - Under Voltage Threshold: Lower Limit Cutoff (100V) - Lower Limit Restore (105V)
   - NOTE: If limit exceeded, the internal relay will open to protect the unit.

4 **POWER CORD SECUREMENT CLIP**

5 **POWER CORD INLET**

6 **GROUNDING/BONDING STUD**

7 **CIRCUIT BREAKER**: Press if the circuit breaker trips.

8 **HORIZONTAL OUTLET**: 8 AMP/120 VOLT/60 Hz outlet.

9 **VERTICAL OUTLET**: 8 AMP/120 VOLT/60 Hz outlet.
1) Install mounting clip into desired location using the outer two provided mounting holes.

2) Insert the PD-28-SP into the mounting clip.