



**AMETEK**<sup>®</sup>  
ELECTRONIC SYSTEMS PROTECTION



Electronic Systems Protection, Inc  
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# SXN1230 Series

## INSTALLATION INSTRUCTIONS

## IMPORTANT SAFETY INSTRUCTIONS



**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

**WARNING:** CONNECT ONLY TO MAINS WITH PROTECTIVE EARTHING CONNECTION.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### CAUTION

1. Please read and retain these safety instructions.
2. Heed all warnings in the operating instructions and on the appliance.
3. Do not use this apparatus near water or moisture.
4. Clean only with a dry cloth.
5. Do not install near sources of heat such as radiators, heat registers, stoves or other apparatus that produce heat (such as amplifiers).
6. To completely disconnect this equipment from the AC mains disconnect the circuit breaker.
7. Refer all servicing to authorized personnel. Completely disconnect the power from AC mains before servicing.
8. Servicing is required when the apparatus has been damaged in any way including: Impact damage, power cord/ supply damage, liquid spillages, small objects falling into the unit or exposure to moisture. In addition please refer to authorised service personnel if the apparatus is not operating normally.
9. This is a CLASS 1 device and shall be connected to a mains with a protective earth connection.



Management of WEEE (Waste Electrical and Electronic Equipment) Applicable in member states of the European Union and other European countries with individual nation policies on the management of WEEE) The symbol on the product or its packaging indicates that this product may not be treated as regular household waste. It should be returned to the retailer where the product was purchased or local collection systems should be used to ensure environmentally safe recycling.

# SXN1230 Series

SURGE ELIMINATOR & POWER CONDITIONER

## Installation Instructions:

### Line Connection

**CAUTION: The SXN1230 must only be connected to a 20 Amp 240 Volt single-phase AC circuit. This product must not be connected to two-phase 208 Volt or split-phase 240 Volt service (such as a 115-0-115 service).**

The SurgeX SXN1230 product is rated at a load capacity of 20 Amps and shall be wired only by qualified Electricians using 4mm<sup>2</sup> conductors and the cable should comply with IEC or EN related requirements (such as IEC/EN60811,etc). Any type of conductor suitable for use in wet or dry locations shall be considered acceptable if local Code permits. The circuit must be protected by a 20 Amp circuit breaker.

### Indicator Light

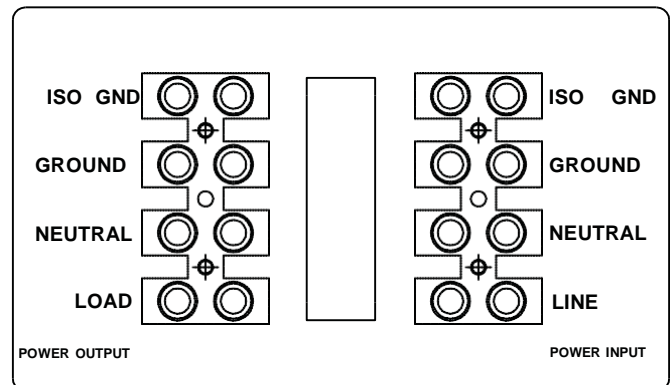
There is a green indicator light on the front of the unit. This green light is a Self-Test indicator that indicates power is applied to the unit and the internal surge protection circuitry is fully functional.

Connect the electrical service (line) to the SurgeX as follows:

- Live (Brown) wire to the terminal labeled “LINE”
- Neutral (Blue) wire to the terminal labeled “NEUTRAL”
- Earth (Yellow Green) wire to the terminal labeled “GROUND”

Connect the equipment (load) to the SurgeX as follows:

- Live (Brown) wire to the terminal labeled “LOAD”
- Neutral (Blue) wire to the terminal labeled “NEUTRAL”
- Earth (Yellow Green) wire to the terminal labeled “GROUND”



### Characteristics:

Part Number	Model : SXN1230
	L -N
Nominal line to neutral voltage $U_0$ (V)	240V
Max.Cont. Operating Voltage $U_c$ (V)	260VAC
Voltage protective level $U_p$ (V)	1KV
Max. shorted current. (Isc)	3KA
Open circuit voltage ( $U_{oc}$ )	6KV
TOV characteristic ( $U_T$ )	TOV withstand , $t_T = 5s$ , $U_T=335V$ ;
Degree of protection (IP)	IP20
Applicable Power Supply System	TN、 TT、 IT
Location	Indoor
Number of ports	Two
Voltage regulation	$\leq 1\%$
Operation temperature and humidity:	-40 - +35°C, 30-90%
Importer: XXXX; Address:XXXX.	

Made in China



# Limited Ten Year Product Warranty

## AS3112, BS1363, BS546, and CEE7/7

### International Products

For a period of 10 years from the date of your purchase of any SurgeX international product, SurgeX warrants the product (AS3112, BS1363, BS546, CEE7/7 standard) against defects in materials used by SurgeX or workmanship performed by SurgeX (a "Covered Product"). SurgeX's obligations with respect to a Covered Product are to provide, at no charge, all labor and parts (either new or rebuilt, as determined in SurgeX's sole discretion) necessary for the repair of the Covered Product. If SurgeX, in its sole discretion, determines that a Covered Product is not repairable, SurgeX will replace the Covered Product with a product of like kind, quality and functionality. In order to obtain the services under this Limited Warranty, you are responsible for delivering the Covered Product, at your sole cost, to a SurgeX authorized distributor, and for providing the SurgeX authorized distributor with a copy of the dealer's dated bill of sale as evidence of the date of purchase of the product.

**THIS LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY MADE BY SURGEX WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES WITH RESPECT TO THE PRODUCT INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR IMPLIED WARRANTIES ARISING OUT OF COURSE OF DEALING OR USAGE OF TRADE ARE HEREBY EXPRESSLY DISCLAIMED AND EXCLUDED.**

This Limited Warranty does not apply to any product which is defective due to any causes beyond SurgeX's control such as negligence, abuse, misuse, acts of god, modifications to the product or third party repair of the product.

**THE LIABILITY OF SURGEX (IF ANY) AND YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY ALLEGEDLY DEFECTIVE SURGEX INTERNATIONAL PRODUCT SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS LIMITED WARRANTY. IN NO EVENT WILL SURGEX BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.**