



Electronic Systems Protection, Inc  
8001 Knightdale Blvd.  
Suite 121  
Knightdale NC 27545

# SA Series

## USER MANUAL & INSTALLATION GUIDE

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### 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 SOCKET 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 appliance 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. Refer all servicing to authorised personnel.
7. Servicing is required when the appliance has been damaged in any way including: Impact damage, power cord/ supply damage, insertion of foreign objects, liquid ingress or exposure to moisture. In addition please refer to authorised service personnel if the appliance is not operating normally.
8. To completely disconnect this equipment from the AC mains disconnect the power plug from the AC receptacle.
9. To prevent fire never place the appliance near any naked flame such as a candle.
10. This is a CLASS 1 device and shall be connected to a mains socket with a protective earth connection.
11. Do not defeat the purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are there for your safety. If the plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



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.



## Installation Instructions:

### Caution:

SurgeX® *Advanced Series Mode*® Protection is Live-Neutral only, if the polarity indicator is illuminated when connected to the mains please replace the plug observing correct polarity.

### Mounting

SurgeX International SA Series products are shipped with four stick-on rubber feet. These can be attached to the underside of the unit to prevent damage to cosmetic surfaces or to prevent the unit from slipping on a smooth surface.

Optional brackets (ordering code: SA-B) allow the unit to be mounted permanently inside a cabinet or to any flat surface. To attach the brackets to the SurgeX, first remove the two screws in the middle of each side. Attach the brackets with the same screws making sure these screws are adequately tightened.

### 240 Volt Connections

SurgeX International stand alone products are designed to operate from a 240V mains supply. 4 product lines are available that meet major recognised global standards for load capability and connectivity.

- The SA-102 is rated for a maximum of 10 amps and meets the AS3112 standard
- The SA-132 is rated for a maximum of 13 amps and meets the BS1363 standard
- The SA-152 is rated for a maximum of 15 amps and meets the BS546 standard
- The SA-162 is rated for a maximum of 16 amps and meets the CEE7/7 standard

Connect power to a unit by plugging the power cord into a 240V AC receptacle. Plug the equipment power cords into the receptacles as needed to provide safe, filtered power to the equipment.

Under no circumstances should the product be used with an “earth lifter” or any other device which disconnects earth from the SurgeX. Although SurgeX International products do not shunt to earth or cause earth contamination the earth connection is a safety mechanism. Removing the earth can create a safety hazard and could constitute danger to life.

### Indicator Lights

The green Self-Test light indicates that power is applied to the unit and the internal surge elimination circuitry is fully functional. If this light is not on when the unit is plugged into the mains supply check that AC is present at the receptacle where the unit is plugged in.

If at any point the Self-Test light should go out, first make sure that AC is present at the receptacle where the unit is plugged in. In the unlikely event that the light is still off once the mains supply has been confirmed it will be necessary to return the unit to your local SurgeX International supplier or Distributor for repair.



### Characteristics:

Protection type	SurgeX <sup>®</sup> Advanced Series Mode <sup>®</sup>
Nominal line to neutral voltage U <sub>0</sub> (V)	240V
Max.Cont. Operating Voltage U <sub>c</sub> (V)	260VAC
Voltage protective level U <sub>p</sub> (V)	1KV
Max. shorted current (I <sub>sc</sub> )	3KA
Open circuit voltage (U <sub>oc</sub> )	6KV
TOV characteristic (UT)	TOV withstand , t <sub>τ</sub> = 5s, U <sub>τ</sub> = 335V;
Degree of protection (IP)	IP20
Disconnection Device	Plug
Applicable Power Supply System	TN TT IT
Polarity Indicator	Illuminated: Incorrect; Off: Correct
Location	Indoor
Number of ports	Two
Voltage regulation	≤ 1%
Operation temperature and humidity:	-40 - +35°C, 30-90%
Importer: XXXX; Address:XXXX.	

Made in China