

## TECHNICAL ASSISTANCE

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Our staff is ready to support you and answer any questions.  
Monday through Friday, 8:00 a.m. to 5:00 p.m. (EST) at 800-647-1911.

## WARRANTY STATEMENT

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During the applicable warranty period, any Joslyn™ surge protector device which fails due to defect in materials, workmanship, or any electrical anomaly, including lightning, shall be repaired or replaced at Joslyn's discretion.

Prior to shipment of any suspect or known defective product to Joslyn a Return Material Authorization (RMA) number must be obtained. An official Joslyn RMA number and shipping instructions can be obtained from the distributor where the product was originally purchased. Distributors can obtain the official Joslyn RMA number by contacting the Joslyn Customer Service Department at 800-647-1911. Products arriving at Joslyn without an official RMA number will not be accepted and will be returned freight collect to the original point of shipment.

Products being returned with an official Joslyn RMA number should be shipped by prepaid freight to the nominated point of return as shown on the RMA documentation.

The Company shall have no liability under this warranty for problems or defects directly or indirectly caused by misuse of the Product, alteration of the Product (including removal of any warning labels), accidents, improper installation, application, operation or improper repair of the Product.

THIS WARRANTY REPRESENTS THE ENTIRE WARRANTY OF THE COMPANY. ALL OTHER WARRANTIES EXPRESS OR IMPLIED, ORAL OR WRITTEN, INCLUDING, BUT NOT LIMITED TO, THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED.

THE LIABILITY OF THE COMPANY, AT ITS SOLE OPTION, UNDER THIS WARRANTY IS EXPRESSLY LIMITED TO THE REPLACEMENT OR REPAIR OF THE DEFECTIVE PART THEREOF. IN NO EVENT SHALL THE COMPANY BE LIABLE OR RESPONSIBLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND OR CHARACTER, NOR SHALL ITS LIABILITY EVER EXCEED THE PURCHASE PRICE PAID TO JOSLYN FOR SUCH DEFECTIVE PRODUCT.

This warranty is not transferable and may only be enforced by the original purchaser. Claims under this warranty must be submitted to Joslyn within thirty (30) days of discovery of any suspected product defect.

Warranty Period  
SURGITRON® III

3 Years from original date of purchase



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# SURGITRON III

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## AC Surge Protective Device

**SURGITRON III  
Series:  
1265-22-80, 1265-22-60 and  
1265-22-40**

Installation  
Operation and  
Maintenance  
Manual



## DESCRIPTION

The 1265-22-xx AC Surge Protection Device (SPD) is designed to protect all sensitive electrical and electronic equipment connected to single-phase 120/240VAC 50/60Hz standard commercial electrical panels against the damaging effects of lightning strikes and internally or externally generated overvoltage transients. The reliable 1265-22-xx SPD provides surge protection to all electrical modes (L-N, L-G, L-L, N-G) at 80 kA, 60 kA or 40 kA/phase. A green LED on the face of the suppressor illuminates to clearly indicate protection is active.



**WARNING** – Hazardous voltages can cause severe personal injury or death and/or property damage. Remove all power to the electrical panel before installing or servicing this panel surge protector.

## IMPORTANT SAFETY INSTRUCTIONS

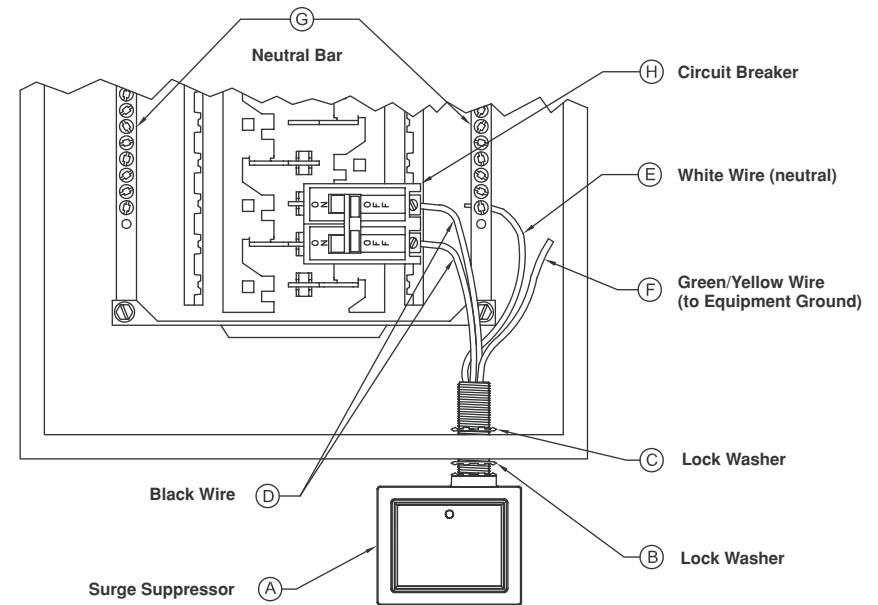
- All work must be performed by qualified electrical personnel.
- The electrical system must be properly grounded in accordance with applicable codes for for this suppressor to work correctly.
- The 1265-22-xx SPD must use a 30-amp circuit breaker maximum with a maximum short circuit rating of 25 KAIC.

## INSTALLATION

The suppressor must be connected to a 2-pole circuit breaker for overcurrent protection (30A max.). This will ensure that it is installed in parallel to the electrical distribution system. Careful consideration must be made in selecting the knockout location because excess length of the protector wires and sharp bends in the wire drastically decrease the effectiveness of the 1265-22-xx surge suppressor. For this reason, choose a knockout location that minimizes both wire lengths and sharp bends in the wire as shown on Figure 1.

1. Disconnect all power supplying the electrical panel.
2. Remove the panel cover screws and cover. Retain these parts for re-installation.
3. Remove the selected 0.5 in. (13 mm) knockout from the panel to install the SPD.
4. Remove lock washer (Part C) from the protector's threaded nipple. Carefully feed the wires through the knockout to avoid cutting wire insulation from sharp knockout edges. Slide lock washer (Part C) over the wires to anchor the threaded nipple inside the panel. Rotate the suppressor so that its function status LED indicator can be easily viewed. Tighten lock washer (Part B) to secure the protector to the panel enclosure.
5. Locate the neutral bar (Part G) inside the electrical panel. Connect the white wire (Part E) to the neutral bar and tighten the terminals to torque specified on the panel. Keep conductor as short as possible while avoiding sharp bends.
6. Locate the ground bar inside the electrical panel. Connect the green/yellow wire (Part F) to the ground bar and tighten the terminals to torque specified on the panel. Keep conductor as short as possible while avoiding sharp bends. If neutral is bonded to ground, green wire may be terminated to neutral.
7. Locate the selected 2-pole circuit breaker (Part H). Loosen the terminals (load side of the circuit breaker). Connect one black wire under each terminal. Tighten the terminals to torque specified on the panel. Keep conductors as short as possible while avoiding sharp bends.
8. Re-install the panel cover.

FIGURE 1



## OPERATION

1. Apply power to the panel. If the electrical and grounding wirings are done properly, the green function status LED indicator on the suppressor will be on. If the light is not on, remove the power and review all of the previous installation procedures.
2. If, after a known heavy lightning strike, the breaker is found tripped, reset the breaker. If the function status light is lit, then the protector is fine. If the light is out or you cannot reset the breaker, the protector must be replaced. This unit contains no serviceable parts.

**CAUTION** – Do not assume the circuit is de-energized!  
Remove power before performing any maintenance to the protector.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Joslyn.