WARRANTY STATEMENT

During the applicable warranty period, any Total Protection Solutions™ 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

PanelTrack	10 Years from original date of purchase

FREE REPLACEMENT
10 YEAR WARRANTY
10 YEAR WARRANTY

JOSLYN
5900 Eastport Boulevard Richmond, VA 23231-4453 USA
TEL: 800.647.1911 FAX: 804.236.4047 www.joslynsurge.com

Total Protection Solutions

PanelTrack®

Surge Protective Device

PanelTrack Standard Series:

TK-PK040-1P120-L
120Vac, 1ø, 2 Wire + Ground

TK-PK040-1P240-L
240Vac, 1ø, 2 Wire + Ground

TK-PK040-1S240-L
120/240Vac, 1ø, 3 Wire + Ground

TK-PK040-3D240-L
120/240Vac, 3ø, High-Leg Delta, 4 Wire + Ground

TK-PK040-3Y208-L
120/208Vac, 3ø, 4 Wire + Ground

TK-PK040-3Y380-L
220/380Vac, 3ø, 4 Wire + Ground

TK-PK040-3Y415-L
240/415Vac, 3ø, 4 Wire + Ground

TK-PK040-3Y480-L
277/480Vac, 3ø, 4 Wire + Ground

- All units come with 18 inches of #14 AWG leads.

Installation Operation and Maintenance Manual

JOSLYN

INTRODUCTION

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 Surge Protective Device (SPD).

IMPORTANT SAFETY INFORMATION

- All work must be performed by qualified electrical personnel.
- The electrical system must be properly grounded in accordance with applicable codes for this unit to work correctly.
- The SPD's Short Circuit Current Rating or Fault Rating is as follows:

Voltage Code	SCCR or Fault Rating
1P120, 1S240, 3D240 & 3Y208	25,000 rms amp at 240Vac with a 30 amp (max) fuse or breaker
1P240, 3Y380, 3Y415 & 3Y480	18,000 rms amp at 480Vac with a 30 amp (max) fuse or breaker

See front cover for explanation of voltage code

- Confirm that the voltage(s) and service configuration shown on the PanelTrack product label are consistent with the voltage and service configuration of the electrical panel. See Figure 1-4 for electrical relationship between PanelTrack and four basic configurations: single-phase, 2-wire; split-phase, 3-wire; 3-phase, 4-wire WYE; 3-phase, 4-wire High-Leg DELTA.
- Read complete installation instructions before beginning installation.

This unit contains no serviceable parts.

Fig. 1: Single Phase, 2-Wire

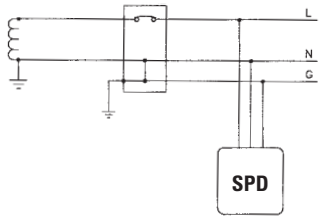


Fig. 2: Split Phase, 3-Wire

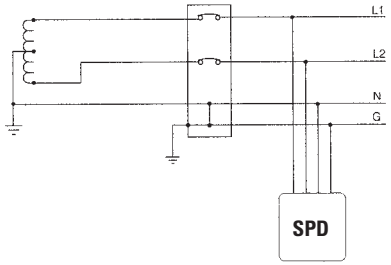


Fig. 3: 3-Phase, 4-Wire WYE

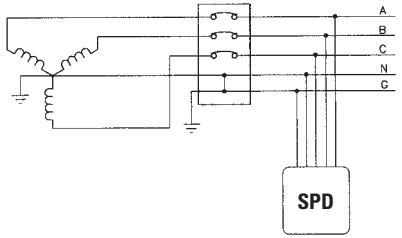
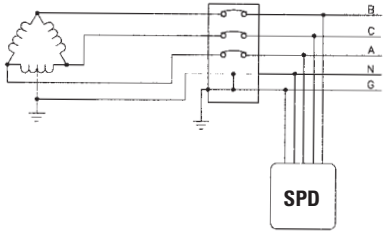


Fig. 4: 3-Phase, 4-Wire High-Leg DELTA



INSTALLATION

All SPD's must be connected to an upstream 30 amp (max) fuse or breaker. See fault rating table under "Important Safety Information" section for details. Use a 3-pole breaker for 3-phase units, 2-pole breaker for split-phase units or single-pole breaker for single-phase units. The advantage of using a dedicated breaker for the SPD is that it allows the suppressor to be de-energized during service without disturbing the electrical system to the rest of the facility. The SPD can also be wall mounted using a L-shaped bracket shipped with the device. A careful consideration must be made in selecting the breaker and knockout location. PanelTrack's performance will be limited severely if the conductors are (a) too long, (b) have too many bends or (c) have sharp bends. The factors listed above should be addressed during the design of an installation to reserve a suitable place for PanelTrack next to its point of connection to the electrical system. The selected mounting location should allow for the shortest possible conductor runs and a direct route with a minimum of bends. If bends are required, they should be *sweeping* bends. Do not make sharp 90º bends for appearance purposes because they will severely decrease the effectiveness of PanelTrack. Binding or twisting conductors together using tie-wraps or electrical tape increases the protection performance of the device.

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 from the protector's threaded nipple. Carefully feed the wires through the panel knockout to avoid cutting wire insulation from sharp knockout edges. Slide lock washer over the wires to anchor the threaded nipple inside the panel. Tighten lock washer to secure the protector to the panel enclosure.
5. The SPD can also be wall mounted using a L-shaped mounting bracket shipped with the device.
6. Locate the neutral bar inside the electrical panel. Connect the white wire (or blue) to the neutral bar and tighten the terminals to torque specified on the panel. Keep conductor as short as possible while avoiding sharp bends.
7. Locate the ground bar inside the electrical panel. Connect the green (or green/yellow) wire to the ground bar and tighten the terminals to torque specified on the panel. Keep conductor as short as possible while avoiding sharp bends.
8. If a dedicated breaker is used, connect black (or brown) wires to the load side of branch breaker. For 120/240V, high-leg Delta services, the orange wire (color-coded by NEC) of the SPD must be connected to phase B (the high-leg). Keep conductors as short as possible while avoiding sharp bends.
9. Re-install the panel cover.

OPERATION

1. Apply power to the panel. If the electrical and grounding wirings are done properly, the green function status LED indicators on the SPD will be on. If the lights are 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 lights are lit, then the SPD is fine. If the lights are out or you cannot reset the breaker, the unit must be replaced.

TECHNICAL ASSISTANCE

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.