

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.

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 SlimLine

10 Years from original date of purchase



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Total Protection
Solutions 

PanelTrack

Surge Protective Device

PanelTrack SlimLine Series:

TK-PK040S-240NN-L

240Vac, 3Ø, 3 Wire + Ground

TK-PK040S-380NN-L

380Vac, 3Ø, 3 Wire + Ground

TK-PK040S-480NN-L

480Vac, 3Ø, 3 Wire + Ground

- Add "-A" suffix for form C dry relay contacts for remote monitoring.
- Add "-DIN" suffix for din-rail mounting bracket.
For example: TK-PK040S-480NN-LA-DIN
- A flush-mount plate (part number: PKS-FMP) is also available – must be ordered as a separate item.
- All units come with 18 inches of #14 AWG leads.

Installation Operation and Maintenance Manual

In Canada (800) 853-8265 www.tpscanada.ca



INTRODUCTION

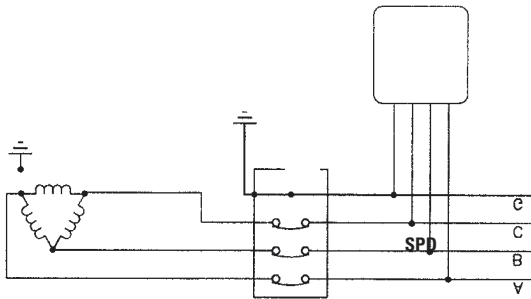


WARNING – Hazardous voltages can cause severe personal injury or death and/or property damage. Remove all power to the electrical panel before installing or servicing this Surge Protective Device (SPD).

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.
- Confirm that the voltage(s) and service configuration shown on the PanelTrack product label are consistent with the voltage and service configuration of the panel. See Figure 1 below for connection diagram.
- Read complete installation instructions before beginning installation.

Fig. 1: 3-Phase, 3-Wire DELTA



INSTALLATION

The SPD must be connected to an Overcurrent Protection Device (OPD) rated 30A maximum. (10A minimum, 30A maximum). The advantage of using a dedicated OPD for the suppressor is that it allows the suppressor to be de-energized during service without disturbing the electrical service to the rest of the facility. A careful consideration must be made in selecting the breaker and knockout location, because excess length of the protector wires and sharp bends in the wire drastically decrease the effectiveness of the PanelTrack as a surge suppressor. For this reason, choose a free circuit breaker and knockout location that minimize both the wire lengths and sharp bends in the wire.

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 bracket shipped with the device. See enclosed drawing for detailed mounting instructions.
6. The Din units (models with "-DIN" suffix) can be mounted to a din-rail. See enclosed drawing for detailed mounting instructions.
7. 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.
8. 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.
9. Connect black (or brown) wires to the load side of the branch breaker (30A maximum).
10. Re-install the panel cover.

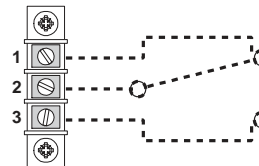
OPERATION

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

*This unit contains no serviceable parts.

REMOTE RELAY CONTACTS (MODELS END WITH "-A" SUFFIX ONLY)

For "Fail-safe" form A monitoring, connect the alarm leads to terminals 2 and 3. Terminals 2 and 3 will be closed during normal (Power ON) operation and the SPD is functioning properly. If the suppressor should fail contacts 2 and 3 will open and contacts 1 and 2 will close. Relay contacts are rated at 5A at 250VAC or 30VDC maximum, 50mVA minimum.



Relay contacts shown in the relaxed position (suppressor alarm or loss of power).

Note:
Maximum torque on terminals is 10 in-lb