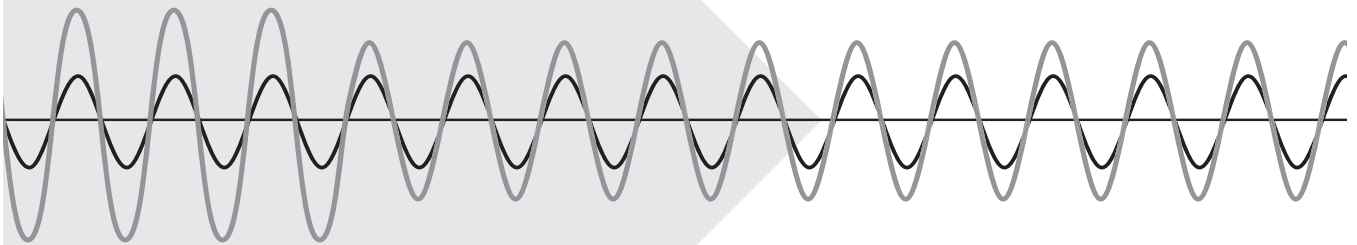




Panel Extension

Installation, Operation and Maintenance Manual

PN 750-0062-003 Rev A03



**Electronic Grade
Panelboard Extension**

Featuring the Failure-Free ISM™

The PX3™ offers an externally mounted surge solution that can be physically attached to the top or bottom of any panelboard, providing a reduced profile surge solution. PX3™ surge suppression system features a powerful failure-free ISM™ (Integrated Suppression Module). The ISM™ contains individual thermally fused and protected MOVs, surge-rated copper busing, robust filtering and advanced remote communications capabilities.

Compatibility: The PX3 Panelboard Extension is compatible with General Electric, Square D, Emerson/Liebert, Siemens, and Eaton Cutler-Hammer/Westinghouse lighting panelboards.

Table of Contents

Guide to Installation and Assistance	3
Pre-Installation Checklist	4
Installation Methods	5
Service Configurations	6
Plan Your Installation	8
Remove the Cover	9
Attaching PX3 to Panelboard	9
Punch Conduit Openings	10
Mount the Panelboard and PX3 Assembly	10
Electrical Connections	10
Conductor Routing	11
Conductor Sizing and Overcurrent Protection	12
Indoor Installations	13
Neutral to Ground Filter Jumper	13
Before Applying Power Checklist	14
Verify Proper Operation	15
Connecting Form “C” Dry Contacts	16
Troubleshooting	17
Installation Assistance	17
Operation/Maintenance	18
Options	18
Stand-Alone Options	18
Standards and Listings	18
Appendix	19
15-Year Limited Warranty	20

Guide to Installation and Assistance

Thank you for choosing the Current Technology® PX3 Surge Suppression System. We look forward to fulfilling your facility-wide surge suppression filter system needs.

Should you have questions about installing the PX3 please call Current Technology® Technical Support at 800.238.5000 or 804.236.3300. Support is available Monday through Friday, 8:00 a.m. to 5:00 p.m. EST. You can also email us at currenttechnology@tnbpowersolutions.com

This manual provides guidelines for the proper installation of the PX3 family of devices. Proper product selection and compliance with these guidelines will help your new suppression system provide years of reliable service. If installers are unsure about the facility's electrical configuration or have other installation-related questions, it is recommended they consult a master electrician or other qualified electrical professional.

When shortcuts are taken or installation procedures are not followed, the PX3 system may be damaged or may not provide adequate protection. Improper installation may also void the warranty. It is extremely important to follow these installation procedures carefully.



△ W A R N I N G !

HAZARDOUS VOLTAGES PRESENT: Improper installation or misapplication may result in serious personal injury and/or damage to electrical system. Read the complete installation instructions before proceeding with installation. Remove all power to the electrical panel before installing or servicing the surge protective device (SPD).

△ W A R N I N G !

IMPORTANT SAFETY INSTRUCTIONS: All work must be performed by licensed and qualified personnel. The electrical system must be properly grounded in accordance with the U.S. National Electrical Code, state and local codes or other applicable codes for this SPD to function properly. This device is suitable for installation where the available short circuit current is 200,000 rms symmetrical amperes at 600VAC or less.



△ W A R N I N G ! FOR UNITS WITH DTS-2 TESTER: When unit is equipped with an Amphenol test port. Power to the Equipment Under Test (EUT) must be OFF prior to testing. Turn EUT’s disconnect switch or upstream circuit breaker to “OFF” position.

△ W A R N I N G ! THE PX3 WARRANTY IS VOIDED if the unit is damaged as a result of improper installation or the installer’s failure to verify the following conditions prior to installation.

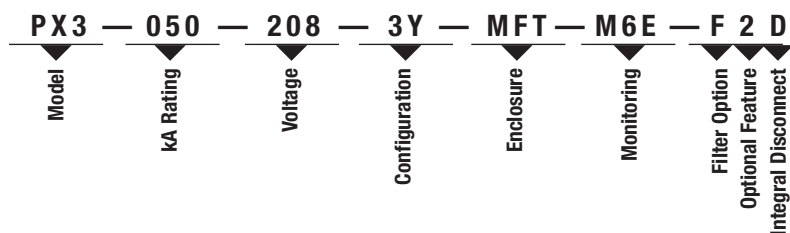
△ W A R N I N G ! Do not HIPOT the PX3 unit or the electrical system to which the PX3 unit is connected without disconnecting the PX3 conductors including phases, neutral and ground.

Pre-Installation Checklist

Before Beginning

Confirm that the voltage(s) and service configuration shown on the PX3 product label are consistent with the voltage and service configuration of the system to which it is being attached. A model number is printed on the label affixed to the inside of the PX3 cabinet. Each model number corresponds to the voltage and service configurations as per sample model number scheme in Table 1:

E.g.: PX3-050-208-3Y-MFT-M6E-F2D



kA Rating	
Available PX3™ kA Ratings: 050, 080, 100, 125*, 150*, 200*	
Voltage**	
208	120/208
240	120/240
380	220/380
480	277/480
600	347/600*
Configuration**	
1G	1-Phase, Grounded
2G	2-Phase, Grounded, Split-Phase
3Y	3-Phase, Grounded, Wye
3R	3-Phase, Grounded, High-Resistance
3H	3-Phase, Grounded, High-Leg Delta
3D	3-Phase, Grounded, Delta

Enclosure	
MFT	Metal, Flush Mount, Top Feed
MFB	Metal, Flush Mount, Bottom Feed
MST	Metal, Surface Mount, Top Feed
MSB	Metal, Surface Mount, Bottom Feed
SFT	Stainless, Flush Mount, Top Feed
SFB	Stainless, Flush Mount, Bottom Feed
SST	Stainless, Surface Mount, Top Feed
SSB	Stainless, Surface Mount, Bottom Feed

Monitoring	
M0	No local monitoring (<i>see remote MxX stand-alone option</i>)
M1	LED/Phase + Audible Alarm, Dry Relay Contacts
M2	M1 + Surge Counter
M3	Advanced Monitoring, Character Display, Modbus RTU
M4E	M3 + Ethernet, Modbus TCP
M5	Advanced Monitoring, Graphics Display, Modbus RTU
M6E	M5 + Ethernet, Modbus TCP
Filter	
F	Filter
N	No Filter

Optional Features	
1	Panel Mounted In-House
2	Test Port
3	Type 2 SPD (UL 1283)
4	Full Flush Cover
5	GE Version
6	Square D Version
7	Siemens, Eaton Cutler-Hammer

Disconnect Option	
D	Integral Disconnect
Blank	No Disconnect

Stand-Alone Options <i>(To Be Ordered As Separate Items)</i>	
DTS	DTS-2 Diagnostic Test Set
MxX	Remote Monitor Extension M1X through M6EX
HPI	HPI Cable

*Not available with Integral Disconnect.

**Consult factory for additional Voltage/Configuration options.

An area on the back cover of this manual is allocated to log your PX3 model number, purchase date, installation date, and installer

Table 1: Sample Model Number Scheme (PX3)

Pre-Installation Checklist

continued

- Check to ensure that a proper neutral-ground bond is installed between the neutral and ground terminals at the transformer upstream from all 3-Phase WYE, 3-Phase High-Leg DELTA, or 1-Phase SPLIT-PHASE PX3 devices (see NEC article 250.) Lack of a proper bond will damage the PX3 and void the warranty.

- Confirm that the environmental conditions are consistent with the following ranges:
 - Ambient Temperatures: The PX3 must be installed in an area with a temperature between -13° and +140°F (-25° and +60°C).
 - Humidity: The PX3 must be installed in an area with relative humidity between 5% and 95% non-condensing.
 - Altitude: The PX3 must be installed in a location where the altitude is below 13,000 feet.



△ WARNING!

Discontinue installation if (1) your conditions are inconsistent with the checklist above or (2) your conditions cannot be verified. Call Thomas & Betts Power Solutions' Technical Support at 800.238.5000 if you have any questions.

This device features an internal protection that will disconnect the surge protective component at the end of its useful life but will maintain power to the load now unprotected. If this situation is undesirable for the application, follow the manufacturer's instructions for replacing the device.

Installation Methods (for the design engineer and the installer)

The PX3 is a Type 1 SPD which is suitable for use in both Type 1 and Type 2 SPD applications. The PX3 is a one-port SPD and is to be connected in parallel with the electrical system. It may be connected via a circuit breaker, molded case switch, fused switch, or connected directly to the bus of the panelboard or switchboard it is protecting. If direct bus connection is used, Current Technology, recommends that the PX3 be equipped with the optional integral disconnect switch.

Service Configurations

Figures 1-4 show the electrical relationship between the PX3 and these four basic service configurations: WYE, DELTA, High-Leg DELTA and SPLIT-PHASE.

Figure 1
3-Phase, 4-Wire Wye

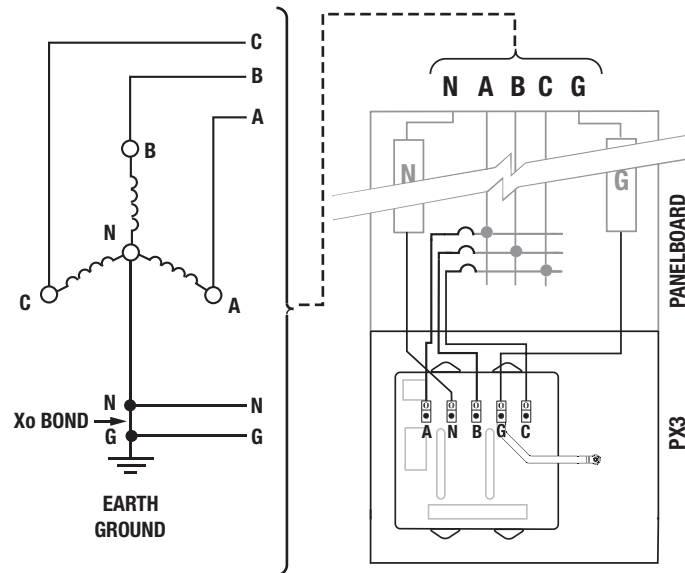


Figure 2
3-Phase, 3-Wire Delta

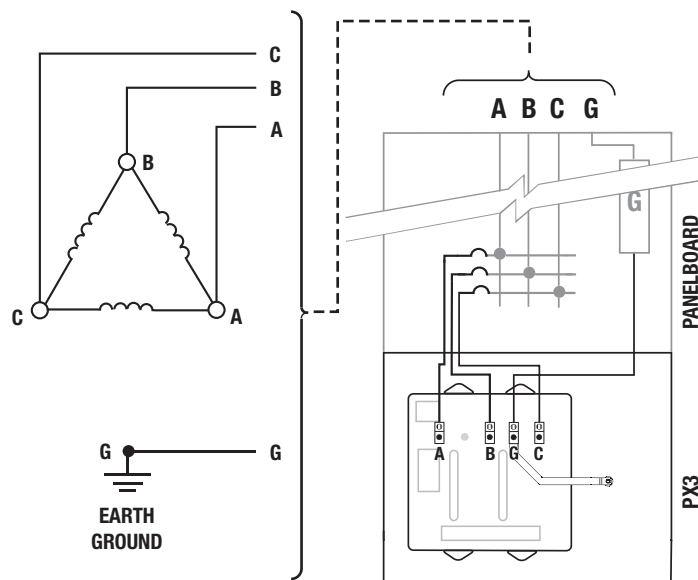
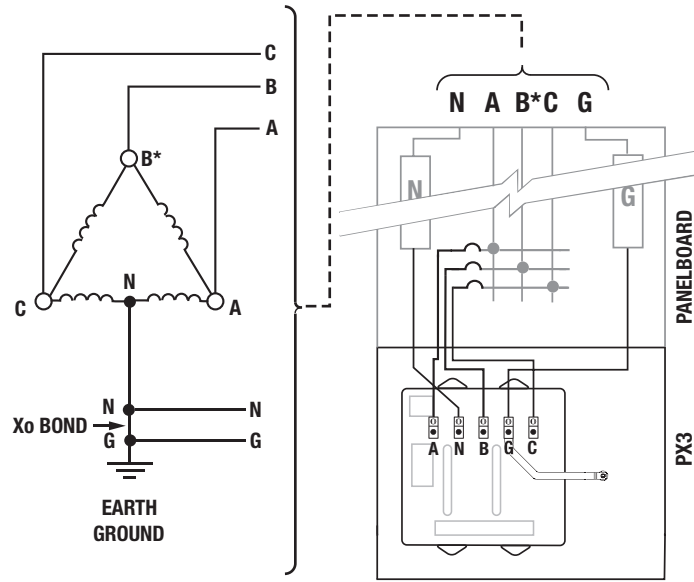
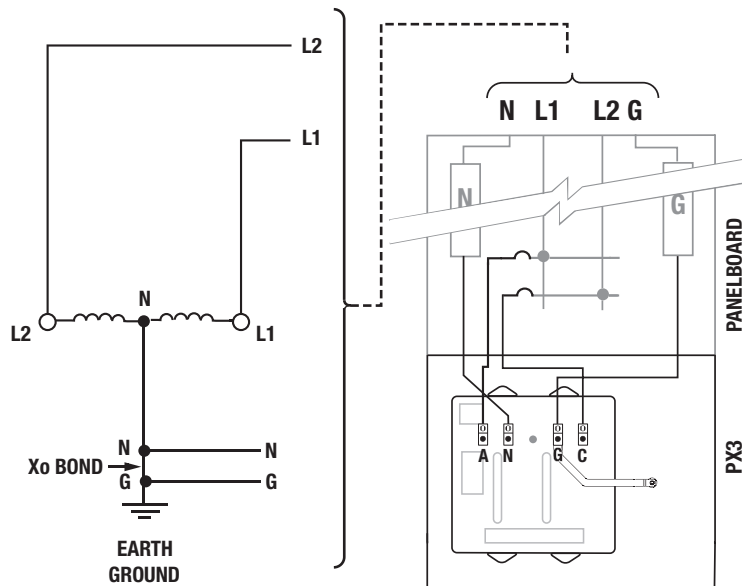


Figure 3
3-Phase, 4-Wire High-Leg Delta



***NOTE: HIGH-LEG MUST BE B PHASE**

Figure 4
1-Phase, 3-Wire Split-Phase



Plan Your Installation

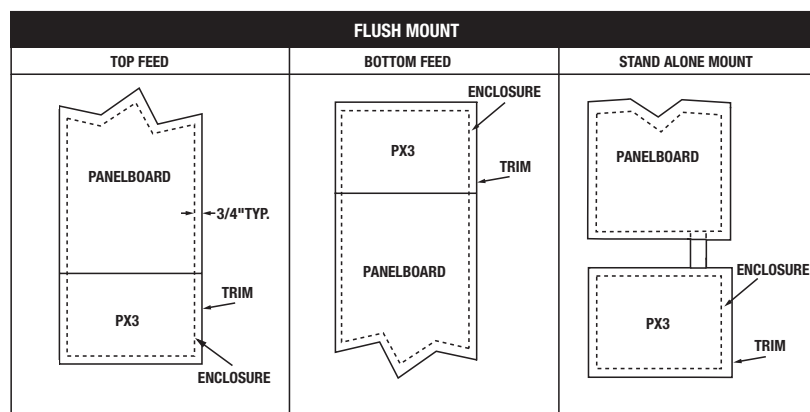


Before you begin assembly, check that the supplied trim kit is appropriate for your particular installation. If you do not have the correct trim hardware contact your supplier.

There are multiple installation options for the mechanical installation of the PX3.

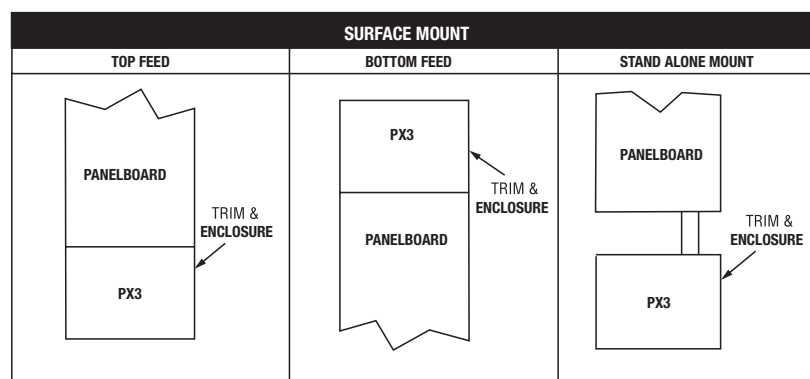
Flush Mount Options

- *Flush Mounted, Top Feed, Connected to the Panelboard* – The PX3 trim plate is offset to fit underneath the panelboard's trim plate when the PX3 is mounted on the bottom of the panelboard.
- *Flush Mounted, Bottom Feed, Connected to the Panelboard* – The PX3 trim plate is offset to fit above the panelboard's trim plate when the PX3 is mounted on the top of the panelboard.
- *Flush Mounted, Stand Alone* – The PX3 trim plate does not mate with the panelboard's trim plate. (Choose "full flush cover" in options section)



Surface Mount Options

- *Surface Mounted, Top Feed, Connected to the Panelboard* – The PX3 trim plate butts up next to the trim plate of the panelboard.
- *Surface Mounted, Bottom Feed, Connected to the Panelboard* – The PX3 trim plate butts up next to the trim plate of the panelboard.
- *Surface Mounted, Stand Alone* – The PX3 trim plate does not mate with the panelboard's trim plate.



Remove the Cover

Open the cover of the PX3 and carefully disconnect all cables from the circuit boards mounted on the door.

Remove the door from the enclosure by removing the screws. Set the door aside.

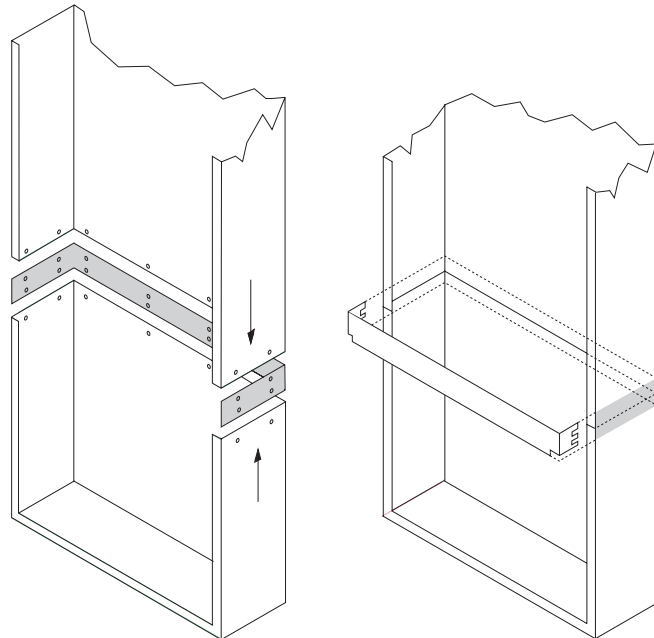
Attaching the PX3 to the Panelboard

Current Technology® recommends attaching the PX3 enclosure to the top or bottom of the panelboard's enclosure so that the two enclosures are joined without a barrier. It is best to do this before the panelboard is mounted to the structure.

To join the two enclosures, the top or bottom endplate of the PX3 may be removed. Similarly, the top or bottom endplate of most commercial panelboards may be removed.

If your panelboard is TOP-FEED, remove the bottom endplate of the panelboard and the top endplate of the PX3.™

If your panelboard is BOTTOM-FEED, remove the top endplate of the panelboard and the bottom endplate of the PX3.™



Attach the PX3 to the panelboard using the supplied collar hardware and screws. Refer to the illustration above showing an PX3 being mounted to the bottom of a panelboard.

Tip: Use of small C-clamps helps hold the parts in place while the screws are inserted and tightened.

Note: The panelboard and PX3 enclosures can also be joined together using a close nipple, lockwashers and bushings. Such installations, however, may limit the ability to pass conductors between the two enclosures.

Conduit Openings

■ ALLOWABLE AREA FOR CONDUIT ENTRY

Figure 5
Standard
PX3 Without
Disconnect

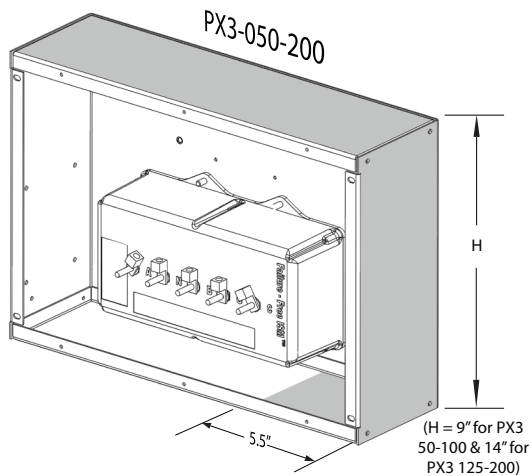
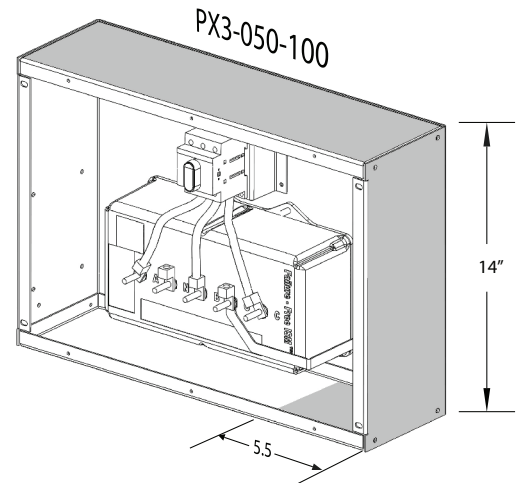


Figure 6
PX3 With
Disconnect



Punch Conduit Openings

Mount the Panelboard and PX3 Assembly

If desired, punch holes for branch circuit conduits at this time or wait until the PX3 and panelboard are mounted to the structure.

Mount the joined panelboard and PX3 to the building structure using construction methods and hardware appropriate for your site. Be sure to fasten both the PX3 enclosure and the panelboard enclosure to the building structure.

If you choose to mount the PX3 as a stand-alone enclosure, locate the PX3 enclosure according to the guidelines in the following section “Electrical Connections”.

Electrical Connections

Phases, Neutral* and Ground: Connect the phase, neutral and ground conductors. Connect the phase conductors to the lugs labeled “A,” “B,” and “C” on the ISM and the ground and neutral* conductors to the lugs labeled “G” and “N.” The terminal lugs of the ISM in the PX3 must be electrically connected by the installer to the appropriate terminals in the panelboard. Before making connections, read and remove the WARNING tag from the ground lug marked “G” on the ISM.

Overcurrent Protection: Connect the phase conductors to circuit breakers in the panelboard. Current Technology® recommends using circuit breakers in the range of 60 to 100 amps.

Note: If applicable, please consult specifying engineer's recommendation prior to making connections.

Conductor Routing

The following factors should be addressed during the design of an installation to ensure that there is a suitable place for the PX3 reserved next to its point of connection to the electrical system. The selected mounting location should ensure short conductor runs providing a direct route with a minimum of bends. If bends are required they should be sweeping bends. Do not make sharp 90° bends for aesthetic purposes.

These illustration show suggested conductor routing for a top-feed panelboard. Routing in bottom-feed panelboards is similar but reversed. Note that conductors from the PX3 always connect within the panelboards to lugs or breakers closest to the PX3. The lugs on the PX3 ISM may be rotated to facilitate routing.

Figure 7
Standard
PX3 Without
Disconnect

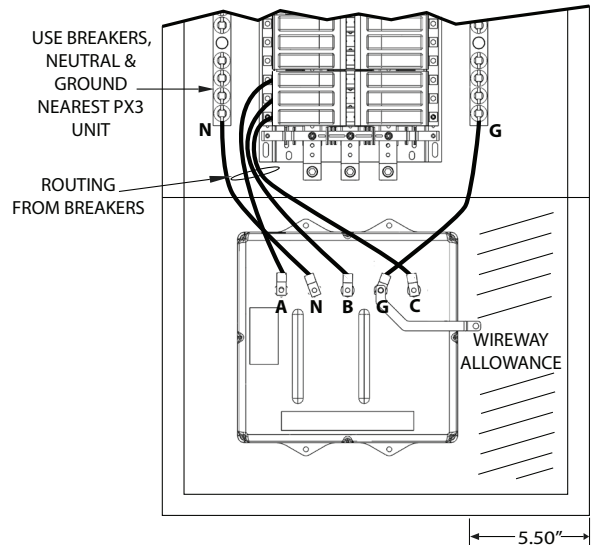


Figure 8
PX3 Using
Breakers
Connected With
Disconnect

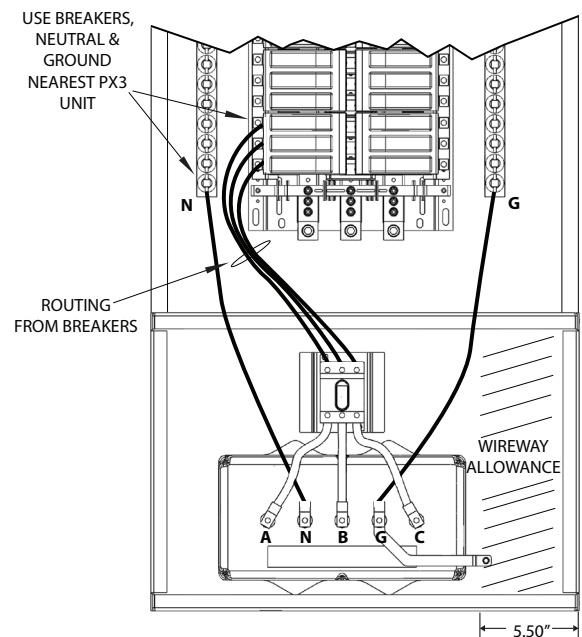
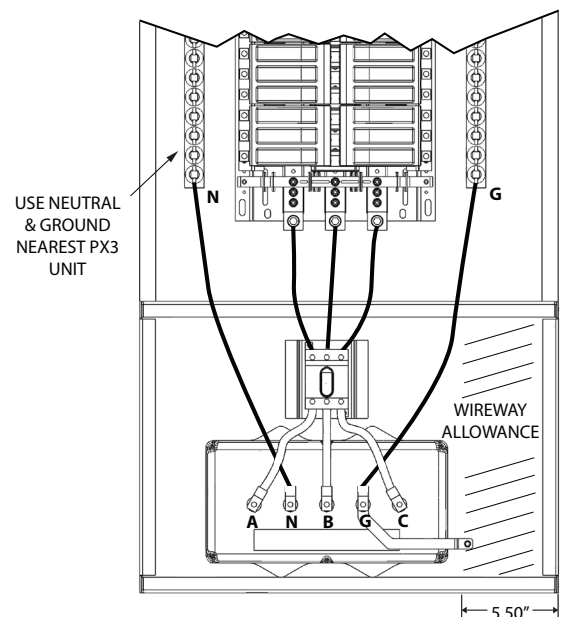


Figure 9
PX3 Direct Bus
Connected With
Disconnect



Also refer to Figures 1 through 4 for a schematic of connections for different service configurations.

If the PX3 is mounted detached, the performance of the PX3 will be severely limited if the conductors are too long, are of too small a wire gauge, have too many bends, or have sharp bends.

Conductor Sizing and Overcurrent Protection

Conductor Length and Sizing: Conductor length must be kept as short as possible and avoid sharp bends. Conductor length must never exceed 10 feet in length from phase bus through the PX3 to the neutral bus or ground bus. If the lead length must exceed 10 feet, Current Technology® recommends using our HPI low impedance cable for installing the product. The following conductor sizes for phase, ground and neutral connections are recommended.

Table 2: Maximum Recommended Conductor Size
Use conductor lengths less than 10 feet

Model	Without Disconnect	With Disconnect
PX3-050	#6 AWG	#6 AWG
PX3-080	#6 AWG	#6 AWG
PX3-100	#6 AWG	#6 AWG
PX3-125	#2 AWG	Product Not Available
PX3-150	#2 AWG	Product Not Available
PX3-200	#2 AWG	Product Not Available

NOTE: Table 2 conductor sizing recommendations ensure that the effective clamping voltage of the PX3 at the point of connection is kept to a minimum in order to maximize protection.

Overcurrent Protection: As a Type 1 SPD the PX3 does not require upstream overcurrent protection for safe operation, however, the design may require or the installer may choose to connect the PX3 to a circuit breaker, molded case switch or fused disconnect.

Indoor Installations



Neutral to Ground Filter Jumper

NEMA 1 enclosures are suitable for indoor use only.

Current Technology® recommends feeding all PX3 models with a disconnect, circuit breaker, molded case switch or fused disconnect.

If a breaker or molded case switch is used for connecting the phase conductors, Current Technology® recommends using circuit breakers in the range of 60 to 100 amps.

△ W A R N I N G ! Prior to proceeding, ensure the SPD unit does not have voltage applied to its input terminals.

PX3 models equipped with a filter system (“-F” suffix), and have a neutral connection, come with a green jumper wire that loops out of the 3-pin connector on the ISM and connects a filter neutral to ground. In certain medical applications, or circuits which employ GFCI protection, this Neutral to Ground filter connection should be removed.

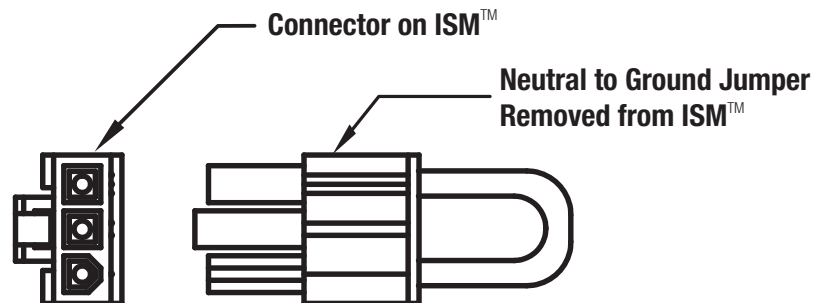


Figure 10

Removal is accomplished by pulling the green jumper from the connector on the ISM. Once removed, the jumper should be placed in the clear vinyl pocket containing the unit test data for future use if desired (Figure 10).

Before Applying Power Checklist

- Field Testing:** Your PX3 has been carefully tested before leaving the factory. However, the performance of this unit as a surge suppression device can be confirmed in the field prior to startup using a portable DTS-2 Tester.

The optional DTS-2 Tester may have been purchased along with your PX3 or *Field Startup Testing Service* may have been specified during the purchase of the PX3.™ Check with the owner or owner's representative to see if this test is required at your site.

If you have questions about Field Startup Testing or would like to arrange for this service, call Current Technology® Technical Support at 800.238.5000.

- Confirm Pre-Installation Checklist:** Confirm that the “Pre-Installation Checklist” found in the beginning of this manual was completed correctly before proceeding.
- Confirm Line Voltage:** Measure the line to line voltages feeding the panelboard or disconnect and be sure they are within $\pm 10\%$ of the rated line voltage of the PX3. Use the following table to determine the range of acceptable voltages for each model of the PX3. The power system operating frequency should be between 47–63 Hz.

Table 3: Acceptable Voltage Ranges for All PX3 Models

PX3 MODEL NO.	NOMINAL L-L VOLTAGE	-10% TO +10% L-L VOLTAGE
PX3-xxx-240-2G-xxx-xx-xx	240	216 to 264
PX3-xxx-208-3Y-xxx-xx-xx	208	188 to 228
PX3-xxx-380-3Y-xxx-xx-xx	380	342 to 419
PX3-xxx-480-3Y-xxx-xx-xx	480	432 to 528
PX3-xxx-600-3Y-xxx-xx-xx	600*	540 to 660
PX3-xxx-240-3H-xxx-xx-xx	240	216 to 264
PX3-xxx-240-3D-xxx-xx-xx	240	216 to 264
PX3-xxx-480-3D-xxx-xx-xx	480	432 to 528
PX3-xxx-600-3D-xxx-xx-xx	600*	540 to 660

**Not available with Integral Disconnect*

Note: first “xxx” specifies rating of 050, 080, 100, 125, 150, 200kA

WARNING!

Do not apply power if the measured voltage is not within the range specified for the PX3 model being installed.

- Apply power to the PX3 by closing the circuit breaker or switch (if any) feeding the PX3 or closing the PX3 integral disconnect.

WARNING!

Verify Proper Operation

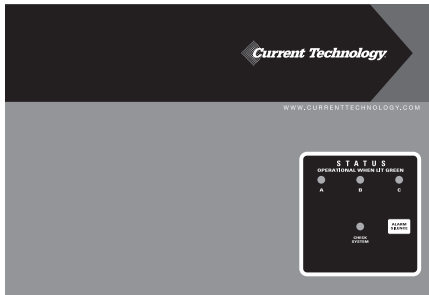


Figure 11: PX3 with M1 Standard Monitoring.

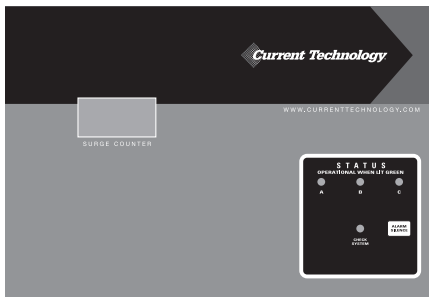


Figure 12: PX3 with M2 Standard Monitoring with Surge Counter.

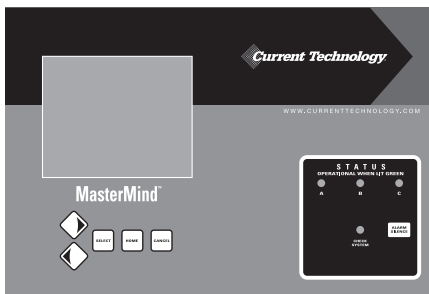


Figure 13: PX3 with MasterMind® Advanced Monitoring

► If your PX3 has M1 Standard Monitoring (see Figure 11):

Verify that only the green indicating lights are illuminated and that there are no red lights illuminated. Green lights indicate a normal condition for each phase. Orange lights indicate protection of 40–75% and Red lights indicate protection of <40%. Three-phase units have three (3) green indicating lights labeled “A”, “B”, and “C”. Split-phase units should only have lights “A” and “C” illuminated. See table below for LED status indication.

The M1 Standard Monitoring is equipped with a dual set of Form “C” contacts (see Figure 12). The relay containing the contacts is in the “alarm condition” or normally closed when the power is off to the unit, when the unit is encountering loss of power to one or more phases, or the PX3 is encountering more than 40% loss of capacity due to internal fuse operation. Test the operation of the Form “C” contacts by de-energizing the PX3 and checking the state of the contacts with a continuity tester or observing the effect of the contacts on the user provided remote alarm circuits.

► If your PX3 has the M2 Option (See Figure 12):

The M2 option is equipped with a surge counter. The number of surges detected by the counter is displayed on a 6-digit LCD display on the front of the PX3 door. The surge counter will also increment each time power is applied to the unit after being in the “off” state. The counter can be reset by pressing the button on the front of the counter.

The M1 and M2 Standard Monitoring also contain an audible alarm that should not operate under normal conditions. To silence audible alarm, press ALARM SILENCE button on display.

► If your PX3 is equipped with the MasterMind® Advanced Monitoring Option (see Figure 13)

Please refer to the MasterMind® manual for Specifications and Operation.

Table 4: LED and Display Alarm Status Conditions

Condition	Corresponding Phase LED	Alarm Cond	M3 Status Message**	Priority *
Phase Loss (<80%)	LED Off	Y	Alarm: Phase x Loss	1A
Phase Low (80 to <90%)	LED Short Blink Green (≈25% duty)	Y	Alarm: Phase x Low	1B
Phase High (>110%)	LED Long Blink Green (≈75% duty)	Y	Alarm: Phase x High	1C
N-G OverVoltage	N/A	Y	Alarm: N-G Voltage High	2
Frequency Out of Range	N/A	Y	Alarm: Frequency Out of Range	3
% Protection < XX%	LED On Red	Y	Alarm: Protection x Low	4
Filter/Cap Loss	LED Blink Red once every 2 seconds	Y	Alarm: Protection Filter x Loss	5
% Protection XX to YY%	LED On Orange	N	Alarm: Protection x Reduced	6

Notes:

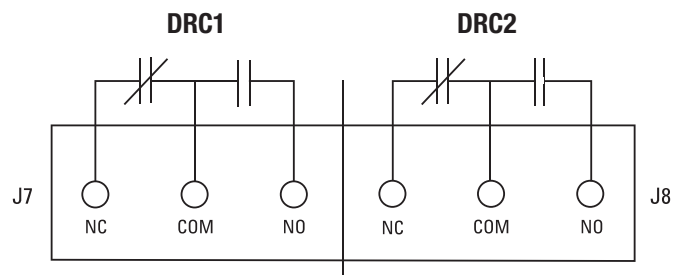
- * 1 Highest priority takes precedence: I.e. if phase is lost, LED is Off, no blinking even if filter loss. Alarm Condition means the Audible Alarm is ON, Dry Relay Contacts is OFF (de-energized), and System Alarm LED is ON.
- 2 % Protection levels of 40% and 75% are default settings which can be changed by the user (M3 System only). If the Surge Module or Current Rating settings are changed, the Protection levels will change automatically.
- ** 3 Subsequent Status message will be displayed on M3 Character and Graphics Displays, where "x" is corresponding Phase (A, B, C or L1, L2). The Highest Priority condition will over-write earlier conditions. Messages may be truncated to fit screen area (with T&B acceptance).
- 4 Red System Status LED will remain on after Status has returned to normal. User must clear the status by pressing the M3 Cancel button.
- 5 Alarm Conditions will also be logged in the Events Log.

Connecting Form "C" Dry Contacts

Dry Contacts: All PX3 models have a dual set of Form "C" dry contacts available for connection to user-provided remote alarm and monitoring circuits.

The installer must provide the appropriate raceway and wiring for this circuit observing the restrictions on conduit openings illustrated in an earlier section of this manual. The installer must route the monitoring conductors to the blue terminal blocks on the door-mounted circuit board. Choose the appropriate materials and routing to allow the door to open and close without pinching or stressing wires.

Figure 14 shows the Form "C" contact configuration. The annotations on the diagram match the markings on the blue terminal block.

**Figure 14**

FCC TERMINAL BLOCK

• Rated 250V 2A DC, 250V 5A AC, 14-22 AWG

Troubleshooting

Your Current Technology® PX3 surge suppression system does not require periodic maintenance. The unit contains no serviceable parts. The unit's heavy-duty design should preclude the need for any repairs; however, the following indications and procedures can be checked (See Table 5):

Table 5: Troubleshooting Checklist

INDICATION	PROCEDURE
One or more phase indicator lights are off	<ul style="list-style-type: none"> • Check that the external power source supplying power to unit is energized • Check that the circuit breaker or switch (if appropriate) feeding the PX3 is turned "on"
Phase status lights are orange, indicating 40–75% protection Phase status lights are red, indicating <40% protection	<ul style="list-style-type: none"> • Check the cables connecting the door-mounted devices to the suppression module. <i>Exercise caution as High Voltage is present on door mounted PCBs</i>
	<ul style="list-style-type: none"> • If all of above are O.K., contact factory • If breaker is tripped, use a portable Diagnostic Test Set (DTS-2) to verify unit integrity before resetting the breaker
Portable Diagnostic Test Set (Current Technology® Model DTS-2) indications are not in range* for the product	Contact factory

*Ranges are located on the underside of DTS-2 lid.

Installation Assistance

Our staff is available to support you.

**Monday through Friday, 8:00 a.m. to 5:00 p.m. (EST):
800.238.5000 or 804.236.3300**

Operation/Maintenance

When properly installed the PX3 Surge Suppression System will provide years of uninterrupted service.

With several levels of monitoring available, the user should be able to verify the normal operation of the PX3 and confirm that it is connected correctly to the power system.

Current Technology® does recommend testing in order to verify that the unit is able to clamp surges to an acceptable level.

This test should be coordinated with scheduled maintenance events in your facility. It can be performed in-house with the aid of the DTS-2 Portable Test Set or requested as a service from a Current Technology® authorized service representative.

Options

The PX3 Surge Suppression System is available with the following options:

M1	LED/Phase + Audible Alarm, Dry Relay Contacts
M2	M1 + Surge Counter
M3	Advanced Monitoring, Character Display, Modbus RTU
M4E	M3 + Ethernet, Modbus TCP
M5	Advanced Monitoring, Graphics Display, Modbus RTU
M6E	M5 + Ethernet, Modbus TCP

Stand-Alone Options

DTS	DTS-2 Diagnostic Test Set
MxX	Remote Monitor Extension M1X through M6EX
HPI	HPI Cable

Standards and Listings

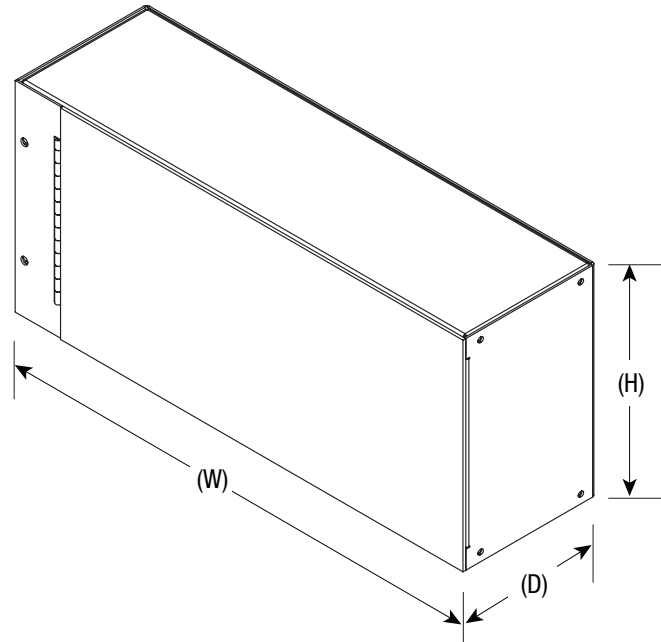
The following standards and listings apply to the PX3 product line:

- Listed by UL to UL 1449 3rd Edition (2009 Revision) for Type 1 and Type 2 SPD applications, cUL, and UL 1283
- Meets Requirements for UL 96A
- Compliant to IEEE C62.41.1-2002, C62.41.2-2002 and C62.45-2002
- NFPA 70 [NEC], Article 285
- RoHS Compliant
- CE, IEC 61643-11-2011
- FCC Part B Class B
- EMC Directive 2004/108/EC
- Low Voltage Directive 2006/95/EC

Appendix

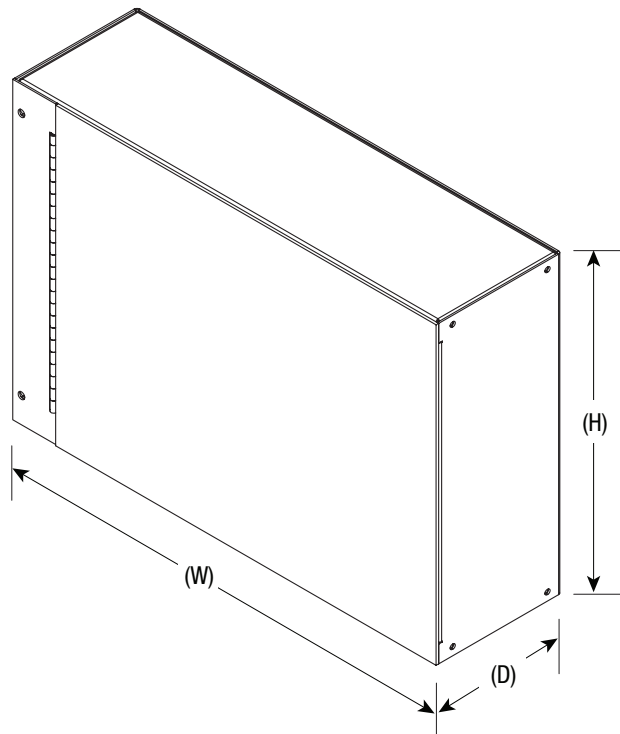
Dimensional Specifications

Figure 15
PX3™ 050 – 100



PX3™	Inches	(mm)
H	9.00	(228.6)
W	20.00	(508.0)
D	5.75	(146.0)

Figure 16
PX3™ 125 – 200 and
PX3™ 050 – 100 with Integral
Disconnect



PX3™	Inches	(mm)
H	14.00	(355.6)
W	20.00	(508.0)
D	5.75	(146.0)

15 Year Limited Warranty

Thomas & Betts Power Solutions, LLC / Current Technology® warrants that PX3 suppression filter systems (the "Product"), shall meet applicable industry standards and specifications and be free from defects in materials and/or workmanship. Should any failure of the Product to conform to this warranty appear within fifteen (15) years from the date of the purchase of the Product, Thomas & Betts Power Solutions shall either repair or replace the defective Product, or part thereof, upon return to Thomas & Betts Power Solutions' manufacturing facility in Richmond, Virginia with transportation charges prepaid.

Thomas & Betts Power Solutions shall have no liability under this warranty for any problems or defects directly or indirectly caused by misuse of the Product, alteration of the Product (including removal of any warning labels), accident, neglect or improper installation, application, operation, or repair of the Product.

THE WARRANTY STATED HEREIN IS THE SOLE AND EXCLUSIVE WARRANTY FOR CURRENT TECHNOLOGY® PRODUCTS, AND IS IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES. THOMAS & BETTS POWER SOLUTIONS SPECIFICALLY DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Installation, operation, or use of the Product for which this warranty is issued shall constitute acceptance of the terms hereof.

The liability of Thomas & Betts Power Solutions under this warranty is expressly limited to the replacement or repair of the defective Product or the defective part thereof, at Thomas & Betts Power Solutions' sole option.

IN NO EVENT SHALL THOMAS & BETTS POWER SOLUTIONS BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND OR CHARACTER. IN NO EVENT WILL THOMAS & BETTS POWER SOLUTIONS' LIABILITY EVER EXCEED THE PURCHASE PRICE PAID FOR SUCH DEFECTIVE PRODUCT.

Model

This warranty is not transferable and may only be enforced by the purchaser. Claims under this warranty must be submitted to Current Technology® within thirty (30) days of discovery of any PX3 product defect.

Date of Purchase

Warranty Period

PX3™ 15 Years from original date of purchase

Date Installed

Installer



Thomas & Betts Power Solutions

5900 Eastport Blvd. • Richmond, VA 23231-4453 USA
 Tel: (804) 236-3300 • Toll free: (800) 238-5000 • Fax: (804) 236-4841

tnbpowersolutions.com/current_technology