

Connecting the Service Bypass Panel (SBP) to a Schneider Electric Symmetra PX40 UPS

Installation Addendum

SBP40KFC1M1, SBP40KFC1M1BLK

For your safety, read and follow all Notices and Safety information in this document.

NOTICE

This information should be used **ONLY** when connecting a Schneider Electric Symmetra PX 40 UPS (4-wire) to a Schneider Electric Service Bypass Panel (SBP). If these components are **NOT** included in your system design, these instructions **DO NOT** apply. The references included in this document are dependent on the type of UPS used. Refer to the Submittal drawings, Installation manual and Technical specifications for your UPS.

NOTE: Read your Symmetra PX 40 UPS Safety Instructions (990-5275A or higher) and Symmetra PX 40 UPS Installation (990-4063H or higher) manuals before attempting to connect to the Service Bypass Panel.

Safety

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Electrical equipment must be installed, operated, serviced, and maintained only by qualified electricians.
- The equipment must be installed in accordance with the National Electrical Code or the Canadian Electrical Code and all applicable local codes.
- All incoming power to the UPS and SBP must be switched OFF prior to making electrical connections.
- Wear appropriate personal protection equipment (PPE) when performing maintenance on this PDU.
- Hazardous voltages might still be present inside the SBP even after power has been turned OFF. Be aware that the equipment may be getting power from multiple power sources.

Failure to follow these instructions will result in death or serious injury.

Connect the SBP to the UPS

NOTICE

Mount the SBP on a wall close to the UPS.

- 1 Connect the upstream utility cables to the main input terminals (X001) on the SBP. (See Figure 1.)
- 2 Connect the UPS AC input cables to the Q001 input terminals (X002) on the SBP (Figure 1).
- 3 Connect the UPS AC output cables to the F002 output terminals (X003) on the SBP (Figure 1).
- 4 Connect the cables from the SBP mains output terminals (X004) (Figure 1) to load equipment/distribution.
- 5 Make all control wire connections (X010) between the UPS and the SBP according to the instructions in the illustrations. (Figure 2)
- 6 For UPS power connections refer to the UPS Symmetra PX 40 Installation Manual (990-4063H or higher).

The Service Bypass Panel

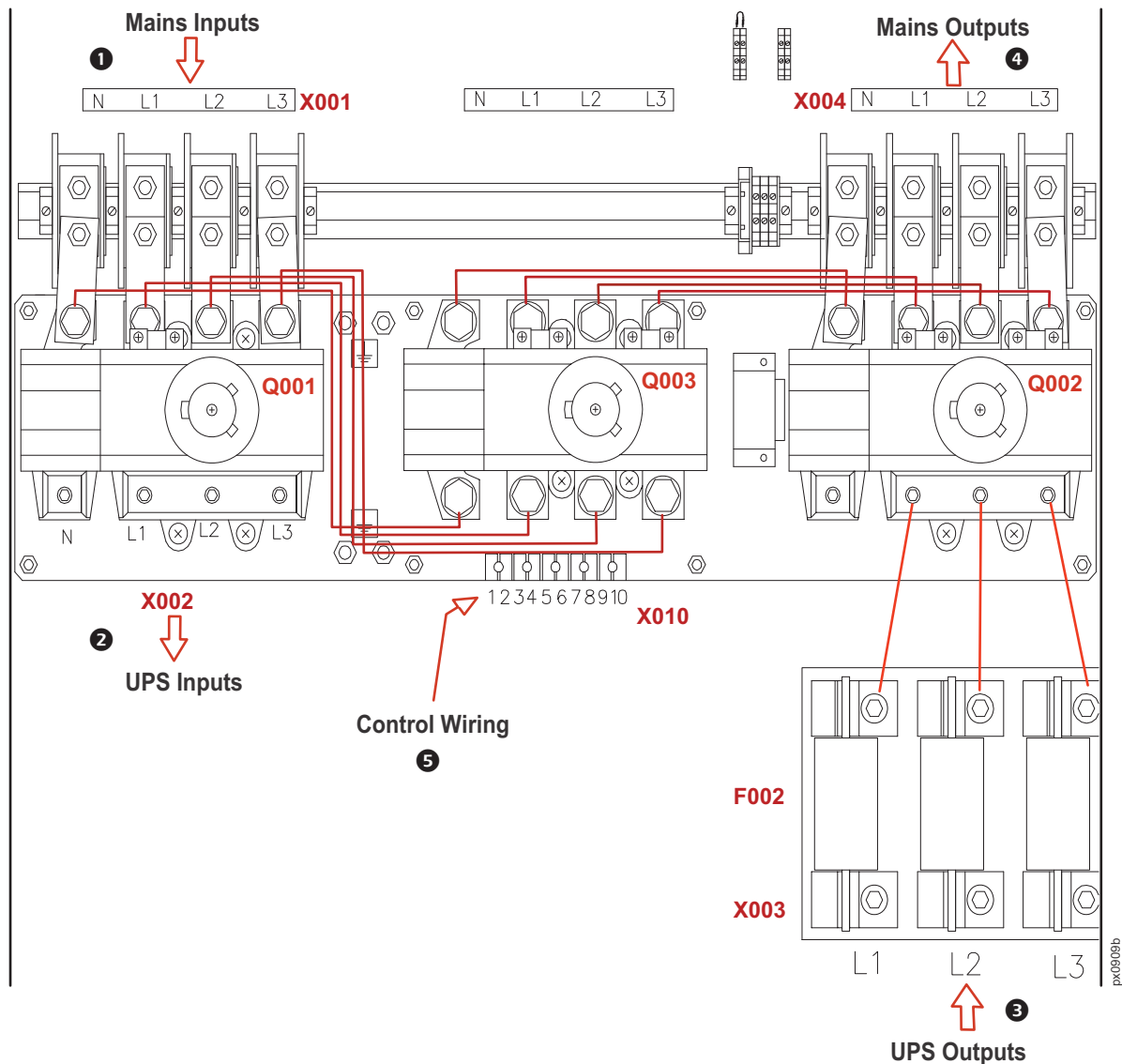


Figure 1. Service Bypass Panel (SBP) interior view

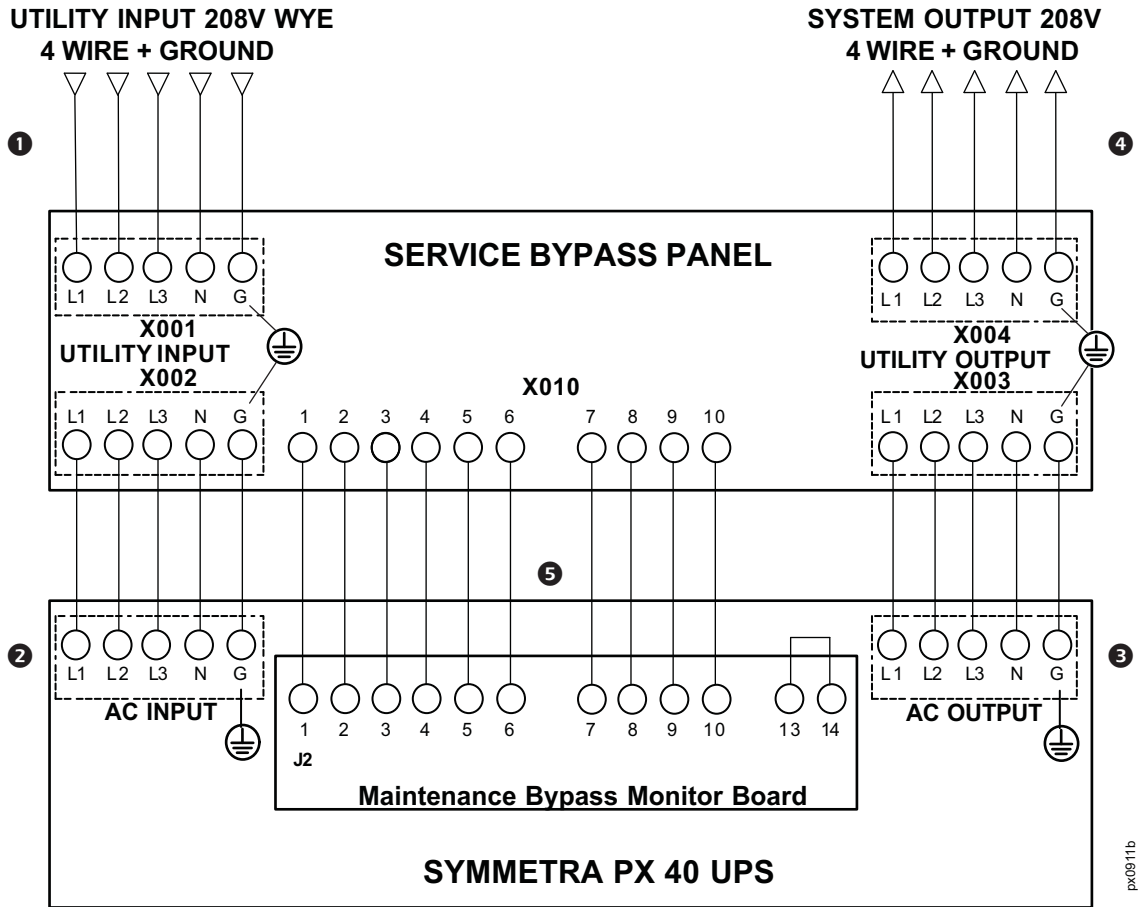


Figure 2. Symmetra PX 40 4-Wire UPS Connections to SBP

Torque Values Table

Fastener	Torque
#10-32 UNC	5 ft-lbs
1/4-29 UNC	10 ft-lbs
5/16-18 UNC	15 ft-lbs
3/8-16 UNC	20 ft-lbs
1/2-13 UNC	50 ft-lbs
5/8-1 UNC	95 ft-lbs

Customer support and warranty information is available at www.apc.com.

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