

Surge Protective Devices (SPD)

Diagnostic Display Panel Replacement

PRECAUTIONS

! DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors and covers before turning on power to this equipment.

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

WARRANTY

For warranty information about your Surge Protection Device, go to the APC Web site: www.apc.com. Choose **Products**, and then choose **Surge Protection and Power Conditioning**. Scroll down to **Hardwire Surge Suppression**.

Choose your part number from among the three categories listed under Hardwire Surge Suppression. A screen containing information specific to your Surge Protection Device is then displayed. Click the **Documentation** tab to locate the file containing your warranty.

INSTALLATION

1. Verify that the replacement diagnostic display has the correct catalog number. The catalog number is found on the back of the diagnostic display assembly (see Table 1).
2. For modular panels, mark the RJ45 patch cables (if they are not already marked) with the appropriate A, B and C phase; brick panels have a single wire harness with a 30-pin connector. Unplug the RJ45 patch cables or wire harness from the diagnostic display assembly (and dry contact wires if used).
3. Remove the 4 nuts holding the diagnostic display panel to the cover/door.
4. Carefully remove the old diagnostic display assembly.
5. Install the new diagnostic display assembly, using the new nuts that are provided (see Figure 1).
6. Plug the RJ45 patch cables or wire harness into the new diagnostic display assembly. For patch cables, make sure that the patch cables labeled A, B and C are connected to the correct RJ45 jacks.
7. Check that all connections are secure.
8. Replace the barrier, cover/door, and/or trim to the equipment.
9. Equipment may be re-energized after all of the above steps are complete.

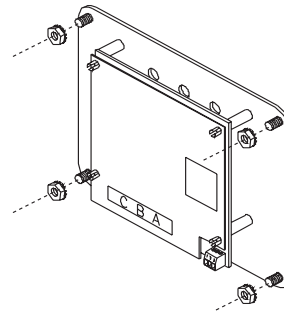


Figure 1: Diagnostic Display Assembly Installation

Table 1: Diagnostic Display Replacements

Catalog Number	Description	Applications	Peak Surge Current/Phase	System Voltages
DBX1P-A	1 phase, Diagnostic PCB	Brick Panel	80 kA 120 kA	120 V, 1 phase, 3 wire
DPBXS1P-A	1 phase, Diagnostic PCB w/membrane switch			
DB1P-A	1 phase, Diagnostic PCB	Modular Panel	120 kA 160 kA	
DPBS1P-A	1 phase, Diagnostic PCB w/membrane switch			
DBX3P-A	3 phase, Diagnostic PCB	Brick Panel	80 kA 120 kA	208Y/120 V, 3 phase, 4 wire 380Y/220 V, 3 phase, 4 wire 480Y/277 V, 3 phase, 4 wire 600Y/347 V, 3 phase, 4 wire
DPBXS3P-A	3 phase, Diagnostic PCB w/membrane switch			
DB3P-A	3 phase, Diagnostic PCB	Modular Panel	120 kA 160 kA	
DPBS3P-A	3 phase, Diagnostic PCB w/membrane switch			