Instruction Bulletin

8245-0061B 07/02 WC#EF09A

Digital Power Filter
Transient Voltage Surge Suppressor (TVSS)

INTRODUCTION

The networking copier has become critical to a business's communication and documentation requirements. More than just a copier, this business system serves a companies fax, printing and copying needs. Protecting this sensitive business system has become an ever increasing challenge. The new Digital Power Filter (DPF) provides unmatched protection for AC, Telephone and Network lines. This protection is essential to protecting the sensitive electronics and preventing interruption of this business document and communication center.

NOTE: Do not mount on table tops.

PRECAUTIONS

⚠ CAUTION

- Intended for indoor use only.
- Never install telephone wiring during a lightning storm.
- Effective surge suppression requires correct wiring and proper grounding from the AC wall outlet.

Failure to follow these precautions can result in minor or moderate injury.

INSTALLATION

NOTE: Save these instructions for future reference.

Follow steps 1-4 for models with Tel/Network Protection. (see Table 1)

1. Connect the telephone line (from the wall jack) to the DPF's TEL/FAX IN jack. (see Figure 1) *NOTE: The DPF telephone jacks (RJ-14) protect both lines of a 4 wire telephone cable.*
2. Install a telephone cable from the DPF's TEL/FAX OUT jack to the jack on the copy machine. If you have two telephone lines, make sure this is a four wire cable.
3. Connect the network line (from the wall jack) to the DPF's NETWORK IN jack. *NOTE: The DPF jack (TIA-568, RJ45) protects 8 data lines. To achieve maximum performance, make sure the network system uses CAT 5 cable.*
4. Install a network cable from the DPF's NETWORK OUT jack to the copier's network IN jack.

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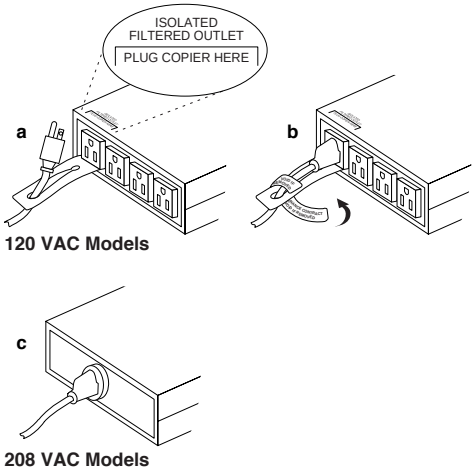

Figure 2: Copier to DPF Connection

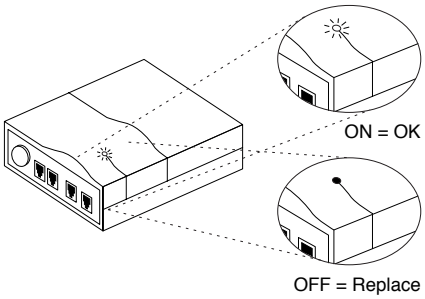

Figure 3: Diagnostic Operation

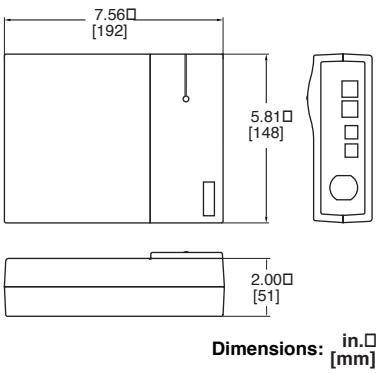

Figure 4: Dimensions

EFI Electronics Corporation
1751 South 4800 West
Salt Lake City, UT 84104
1-800-877-1174
www.efinet.com

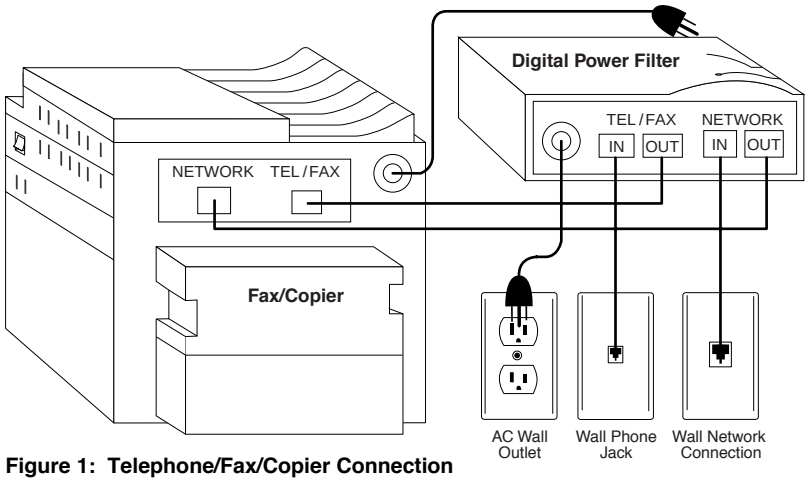

Figure 1: Telephone/Fax/Copier Connection

NOTE: The total current rating of the protected equipment should be equal to or less than the current rating of the DPF shown in the Table 1.

5. Connect copier to DPF.
   120 VAC DPF
   a. Insert the copier's AC plug through the tamper proof strip on the DPF. (see Figure 2a)
   b. Plug the copier's AC plug into the DPF's Isolated/Filtered Outlet. (see Figure 2b)
   c. Wrap the tamper proof strip and the AC cord with the tape provided. (see Figure 2b) *NOTE: The ServiceTracker Contract (if applicable) is void if the tape is removed.*
   208 VAC DPF
   a. Plug the copier's AC plug into the DPF's Outlet. (see Figure 2c)
6. Plug the DPF's power cord into an AC wall socket of proper rating (i.e. 15 AMP or 20 AMP per Table 1).
7. The green diagnostic light should come on indicating AC line protection is operating properly. (see Figure 3)

Table 1

Model	Tel/Network Protection	Voltage	Current	AC Outlets
DPF12015 (R)	No	120 VAC	15 A	4
DPF12020 (R)	No	120 VAC	20 A	3
DPF12015N (R)	Yes	120 VAC	15 A	4
DPF12020N (R)	Yes	120 VAC	20 A	3
DPF20815 (R)	No	208 VAC	15 A	1
DPF20820 (R)	No	208 VAC	20 A	1
DPF20815N (R)	Yes	208 VAC	15 A	1
DPF20820N (R)	Yes	208 VAC	20 A	1

(R) = ServiceTracker Warranty

Diagnostic Operation

- LED ON = Normal operation of AC protection
- LED OFF = Fault, check AC line voltage and it's circuit breakers. If all correct, replace unit. (see Figure 3)

Electrical equipment should be serviced only by qualified personnel. No responsibility is assumed by EFI Electronics for any consequences arising out of the use of this material. This document is not intended as an instruction manual for untrained persons.

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