



The PCSAEM-1 Disk Drive Emulator replaces Foxboro FOX 1/A F2101A (Xerox/Diablo Model 44B) and F2101B (CDC 'Hawk') moving head disk drives and the Vermont Research 8256 Solid State Disk Emulator. No hardware or software modifications are required to use this functional replacement on a Foxboro computer.

FEATURES

PCSAEM-1 Disk Drive Emulator is easy to use, maintain and offers these key features:

- *Easy to install. No hardware or software changes required, other than the drive itself.*
- *Can replace or be added to existing drives.*
- *Operating system, application and diagnostic software are supported as is.*
- *An LED or Alpha-Numeric Operator Panel provides the same controls as the original drive.*
- *Minimal Operator training required.*
- *High reliability with near zero maintenance required.*
- *Greater computer system availability with lower cost of ownership.*
- *Backup to removable media.*
- *FSD/RSD enclosure mountable*

Increase FOX 1/A system reliability by using the PCSAEM-1 Disk Drive Emulator.

CONVENIENT

User controls and indicators are similar to the original FOX 1/A disk drives. Operators already familiar with the Foxboro drives will find the PCSAEM-1 Disk Drive Emulator easy to use.

MAINTENANCE FREE

The PCSAEM-1 Disk Drive Emulator carries a 1-year warranty and uses the latest technology disk drives for low maintenance operation. Drives are rated in excess of 200,000 hours MTBF.

REDUCED POWER AND COOLING

The PCSAEM-1 Disk Drive Emulator uses significantly less power and requires less cooling than the older FOX 1/A Diablo and CDC Hawk drives it replaces, up to 95% less in some cases.

CACHE BUFFERING

The standard PCSAEM-1 Disk Drive Emulator includes cache buffering of a portion of the disk image. With read ahead logic, caching insures rapid access to the data used most often.

PLUG COMPATIBLE

The PCSAEM-1 Disk Drive Emulator is plug compatible with the FOX 1/A computer. It directly replaces existing Diablo and CDC Hawk disk drives, mounting directly in the original cabinet with an included mounting kit.

MAGNETO-OPTICAL DRIVES

The PCSAEM-1 Disk Drive Emulator uses magneto-optical technology. Magneto-Optical Drives provide removable media for both FSD and RSD units replaced by the PCSAEM-1 Disk Drive Emulator. These drives use media that is well protected in plastic cartridges so that physical damage to the surface is eliminated when handled correctly.

SYSTEM SPECIFICATIONS

MOUNTING	19 inch rack mounting with support brackets
DISK CACHE	128 MB
PROCESSOR	Foxboro FOX 1/A Style A, B and C
DISK MEDIA	(2) 3.5 inch Magneto-Optical
INTERFACE	SMD
RELIABILITY (MTBF)	200,000+ hours
INPUT VOLTAGE	90-264 VAC Selectable
INPUT FREQUENCY	47-63 Hz
INPUT POWER	90 VA
DIMENSIONS	5.25in (133mm)h X 19in (483mm)w X 17.5in (445mm)d
WEIGHT	23 lbs (10.5kg)

Process Control Services, Inc.
401 Industrial Drive
Plymouth, Michigan 48170-1885 USA
United States of America
<http://www.processcontrolservices.com>

Telephone: (734) 453-0620

sales@processcontrolservices.com
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