

# Drive with Disconnect Packages

**FPC510M** - Mini Drive with Disconnect  
**FPC510** - Standard Drive with Disconnect

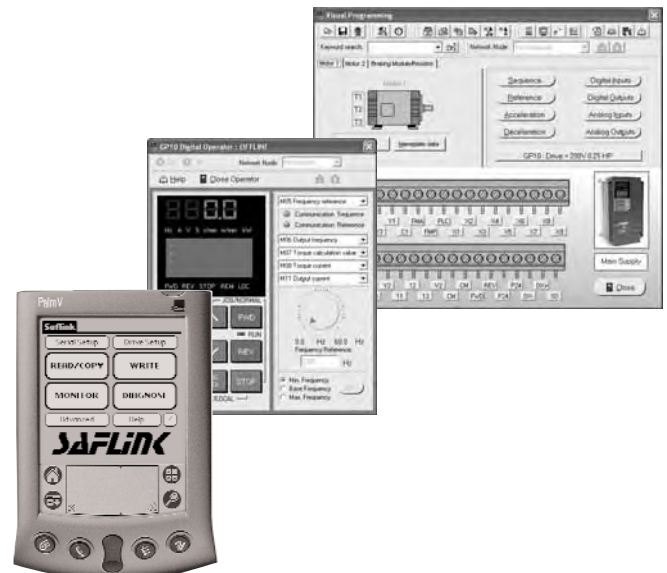
- PC10 and GP10 Vector AC Drive
- Convenient, Low Cost Installation
- Soft Switching 4th Generation IGBT's
- NEMA 1, NEMA 12 or NEMA 3R Enclosures
- Advanced Energy Savings
- Low Harmonic Distortion
  - 3% Equivalent Reactor
- Anti-Windmilling / Smart Speed Search
- Motor Auto Tuning for Optimum Performance
  - Dynamic, Static and On Line
- Precise Control for HVAC Applications
  - Pumps, Fans and Cooling Towers
- Enhanced LED / LCD Keypad with Memory
  - VFD Diagnostic Display
  - VFD Maintenance Display
  - Copy / Paste / Compare Features
- 10°C to +50°C (+14°F to +122°F) Ambient
- VFD Serial Communication Options:
  - Modbus (Standard), Johnson Metasys
  - Siemens FLN, LonWorks



Saflink for PC and PDA

*Saflink is an innovative tool designed for easy programming, troubleshooting and monitoring.*

*Please visit our Web site at [www.saftronics.com](http://www.saftronics.com) and try out a demo version.*





**Designed for the needs of the HVAC Industry**, the Safronics FPC510 and FPC510M Drive with Disconnect Packages offer the latest in both micro-processor and IGBT technology. With its many options, the FPC510 family of drive packages provides the HVAC industry the best combination of size, cost and performance.

The standard package is available with 3% equivalent line reactor and fused disconnect, non-fused disconnect or circuit breaker. Sizes range from 0.5 Hp to 150 Hp at 208V, 230 V and 460V. The **FPC510M** utilizes a Safronics PC10 Mini Vector AC Drive and is available in a NEMA 1 enclosure. The **FPC510** includes a GP10 Vector AC drive and with optional NEMA 1, NEMA 12 or NEMA 3R enclosures.

All packages incorporate **4th Generation Soft Switching Technology**, reducing dv/dt up to 50% and eliminating the need for costly output filters.

The advanced energy savings, motor tuning and anti-windmilling features standard on all packages make the Safronics Drive with Disconnect Packages the right choice for your HVAC application.

#### OTHER SAFTRONICS HVAC PRODUCTS

PC10	Mini Vector AC Drive
GP10	Vector AC Drive
FPC510M	Mini Drive with Disconnect Package
FPC510	Drive with Disconnect Package
FPC5010M	Mini Bypass Package
FPC5010	Standard Bypass Package
FPC5010S	Smart Bypass Package
TowerPak	Cooling Tower Controller
HR1018	18 Pulse Harmonic Reduction Technology

#### DISCONNECT PACKAGE OPTIONS

Disconnects	Input Circuit Breaker, Fused and Non-fused Disconnect and Circuit Breaker with Fuses
Protection	3% and 5% Input / Output Reactors, Input EMI/RFI Filters, Isolation Transformers
Serial Communication	MODBUS RTU 485 as Standard, MetaSys N2, LonWorks, Siemens FLN
Option Cards	Relay Output Card, 3-15 psi Pressure Transducer Card, Analog and Digital Interface Cards
Miscellaneous	Duplex Motor Control, Hand/Off/Auto with Door Mounted Speed Potentiometer

*To maintain maximum uptime and performance, Safronics offers the HVAC industry's only **24 hour / 7 day per week toll free emergency support**. The Safronics technical support team is available for trouble shooting assistance as well as weekend and holiday shipment of repair parts.*