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# High Performance Thermal Printer/Plotter

## FOR MOBILE DATA SYSTEMS

### Rugged Reliability

The Printrex 812 is the follow on product to the very successful 810 and 820 mobile printers that have been widely used in fire fighting vehicles, railroad locomotives and commercial jet aircraft.

### Connects directly to 12 volt or 24 volt vehicle power systems

The Printrex 812 connects directly to the vehicles power system without requiring any external power conditioning or protection. It tolerates the wide voltage excursions and electrical noise typically found in this application and is protected against reverse power connections. The 812 operates from 9 volts DC to 32 volts DC permitting connection to either 12 volt DC or 24 volt DC systems without needing any changes in hardware configurations.

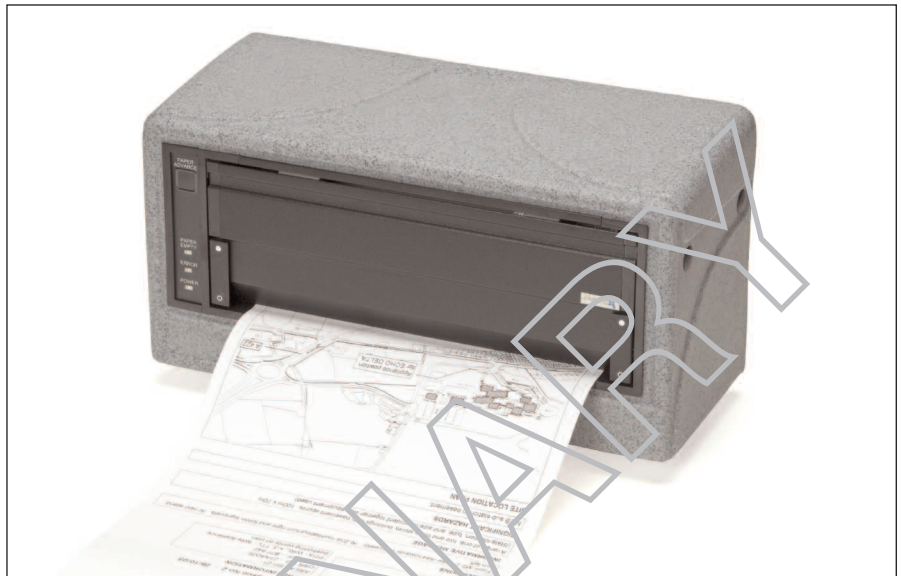
The printer is placed in the "Suspend" mode during inactive periods to reduce the power demand on the vehicle battery. It automatically returns to active mode when printing is initiated.

### Installation Options

The Printrex 812 can be mounted on horizontal or vertical surfaces using either typical rubber feet or shock mounts for horizontal mounting or with a Quick Release (QR) adaptor as an option for wall mounting that permits the printer to be removed and exchanged in seconds. Reliability experience indicates that removal is rarely needed but the quick release feature can be useful when 100% availability is required.

### Data Interfaces

USB 2.0 & IEEE 1284 (Centronics compatible).



Printrex 812

### Print Speed

Print speed is 1 inch/second with input voltage at 12 volts or higher. If input voltage drops below 12 volts the print speed will be reduced to maintain print quality. Printing will be inhibited if voltage is below 9 volts.

### Printer Driver

The print driver for Windows 2000/XP is provided and future Windows releases will be supported.

### Input Power

9 VDC minimum to 32 VDC maximum.

### Regulatory and EMC

CE e-mark per Directive 95/54/EC  
AES 5, Issue 10, Class 1 (PITO)  
Cispr 22 Radiated and Susceptibility, Class B  
FCC Part 15, Class A  
Follows SAE J1455 Aug94

### Environmental

Operating Temperature  $-10^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  ( $14^{\circ}\text{F}$  to  $122^{\circ}\text{F}$ )  
Storage Temperature  $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $+140^{\circ}\text{F}$ )  
Altitude to 12,000 feet (3655 meters)  
Dust, spray and splash rated IP54  
Vibration per TEA/EIA 603, Paragraph 3.3.4  
Shock 20 g peak, sine wave @ 11 ms, 30 impacts

