

Product Highlights

Thank you for purchasing the NCR Panther Fuel Controller.



The Panther Fuel Controller is designed to offer direct connectivity to all major brands of dispensers and outdoor payment terminals. This high-performance solution replaces multiple forecourt devices typically required by most existing solutions and enables robust marketing programs and credit card encryption methods all while dramatically decreasing transaction times.

Included Accessories

Qty 1 - 6ft (2m) left angle power cable (U.S. plug)



Qty 1 - 2ft (0.7m) flexible conduit



Qty 2 – conduit fitting



Qty 1 – wall bracket



Qty 8 – black tie wraps



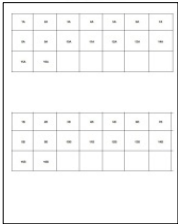
Qty varies – three position connectors



Qty varies – two position connectors

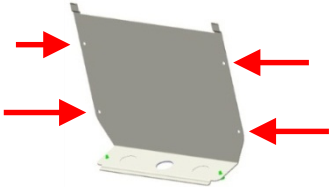


Qty 1 – cable label sheet

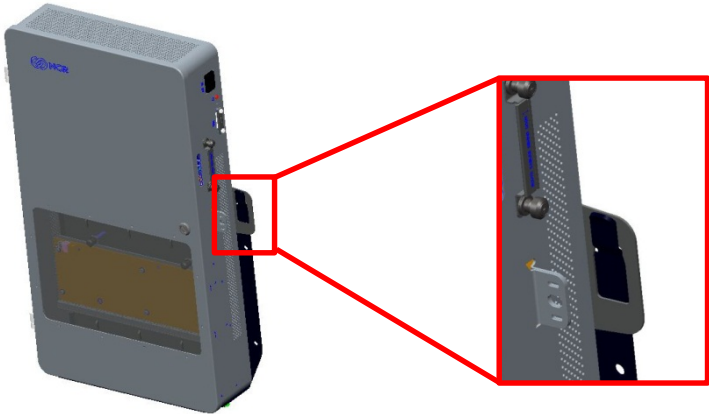


Wall Mounting Instructions

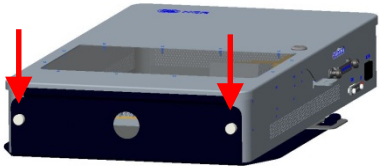
1) Attach the bracket to the wall (refer to Mounting Bracket Installation section for additional info)



2) Slide Panther housing onto the wall bracket side tabs

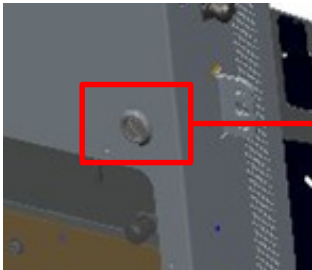


3) Secure the two captive screws with a straight blade screwdriver



Note: Case and Wall bracket colors are changed in some graphics to aid in detail clarity.

Open Door To Access Internal Boards/Connections



Disconnect A/C power cord from the unit before opening door.

To open door, turn the slotted latch with a coin or screw driver ¼ turn. Once unlatched the door can be opened. Please note that lifting up on the door while opening will result in the door coming off the hinges by design.



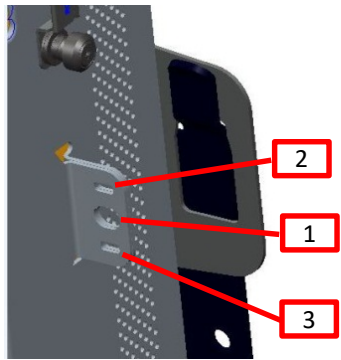
To Remove Door



To remove the door simply open the door and lift the door upwards off the hinges.

To install the door, simply align the door hinges with the body hinges and slide the door downward into place.

To Lock Enclosure

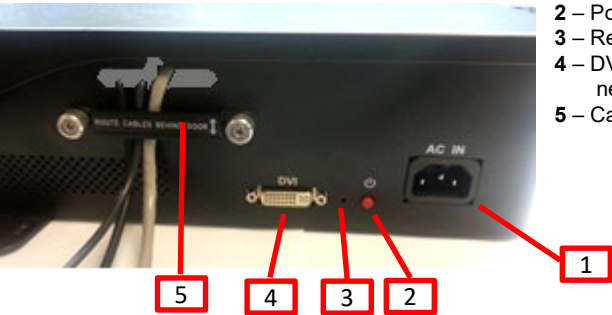


With the Panther door closed, use one of the following to secure the device:

- 1) Standard Padlock with a bolt diameter no less than .200" and no greater than .280"
- 2) Tamper Evident Zip Tie
- 3) Kensington Lock (ensure lock is fully seated)

***Note:** Locks and tamper evident zip ties are not included.

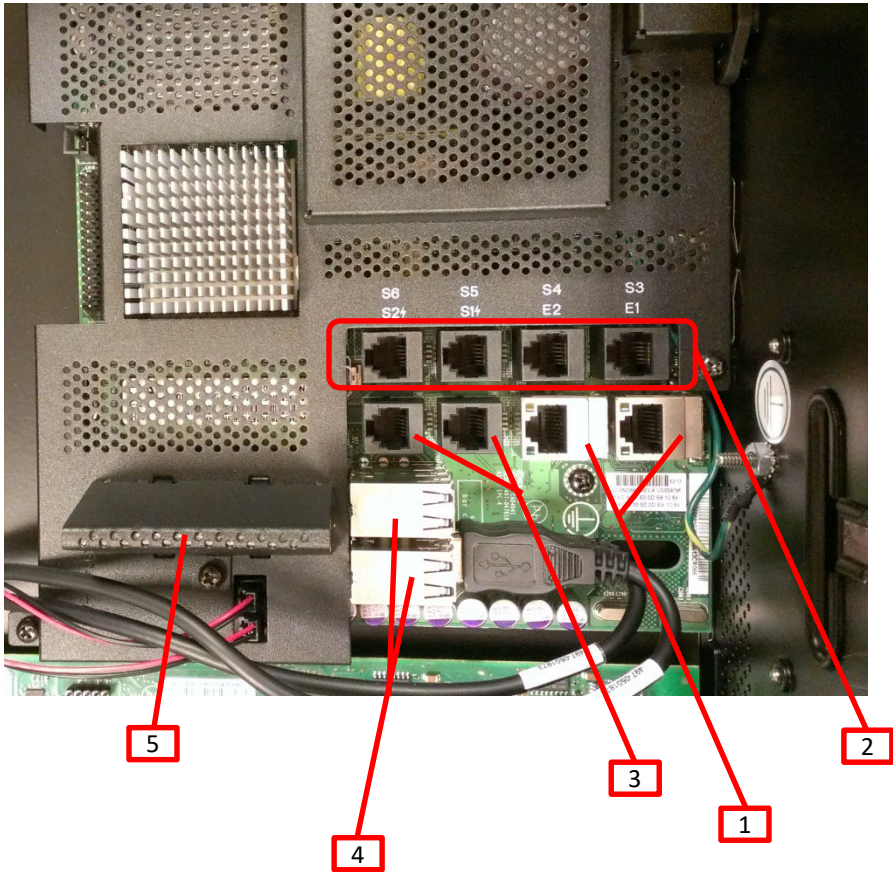
Side Panel Ports and Slots



- 1 – Power 110-220V 50-60Hz
- 2 – Power On/Off Button
- 3 – Recovery Utility Button
- 4 – DVI Port (remove cover if needed) *
- 5 – Cable Retention

* Note: The DVI port should only be used for setup, maintenance and troubleshooting. It is not intended for use during normal operation.

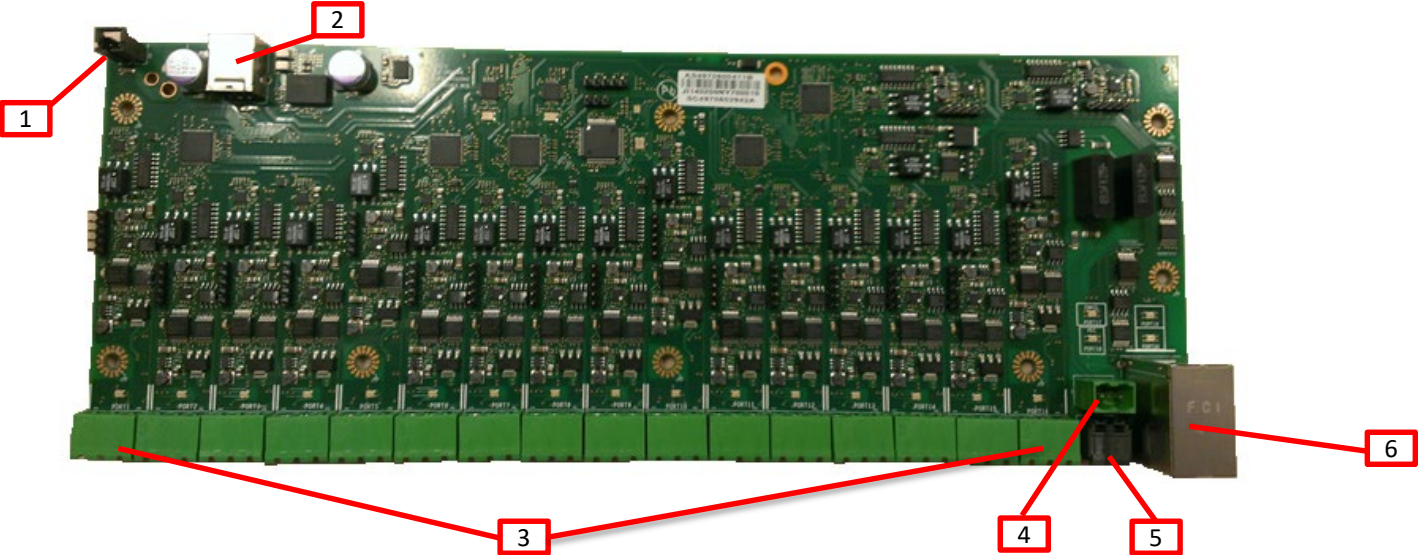
Motherboard Internal Ports



- 1 – 2x Network LAN 10/100/1000 ports (E1, E2)
- 2 – 4x RS232 Serial Ports (S3, S4, S5, S6)
- 3 – 2x Powered RS232 Serial Ports +12V/500mA each on RTS (S1, S2)
- 4 – 8x USB Ports +5V/500mA each
- 5 – SSD, MO-297 SATA 3.0Gb/s

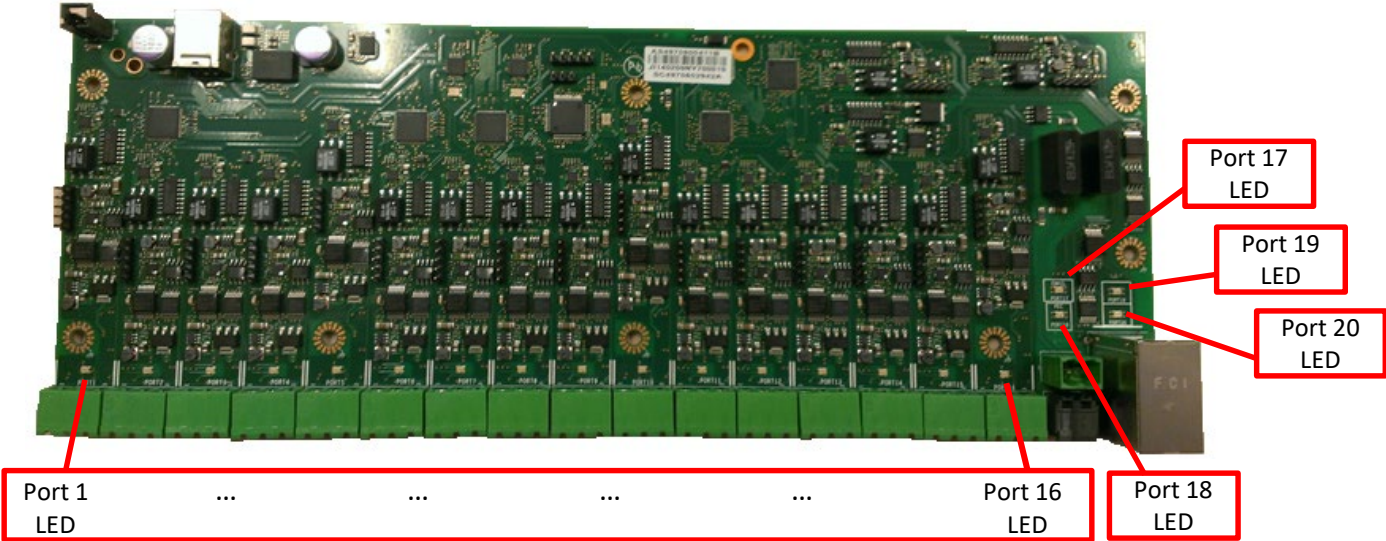
Forecourt Interface Board Ports

- 1 – Power (to motherboard)
- 2 – USB (to motherboard)
- 3 – Current Loop / 485 (ports 1-16)
- 4 – EMAIL protocol (port 17)
- 5 – PEC protocol (port 18)
- 6 – Tokheim / MSM (ports 19 & 20)

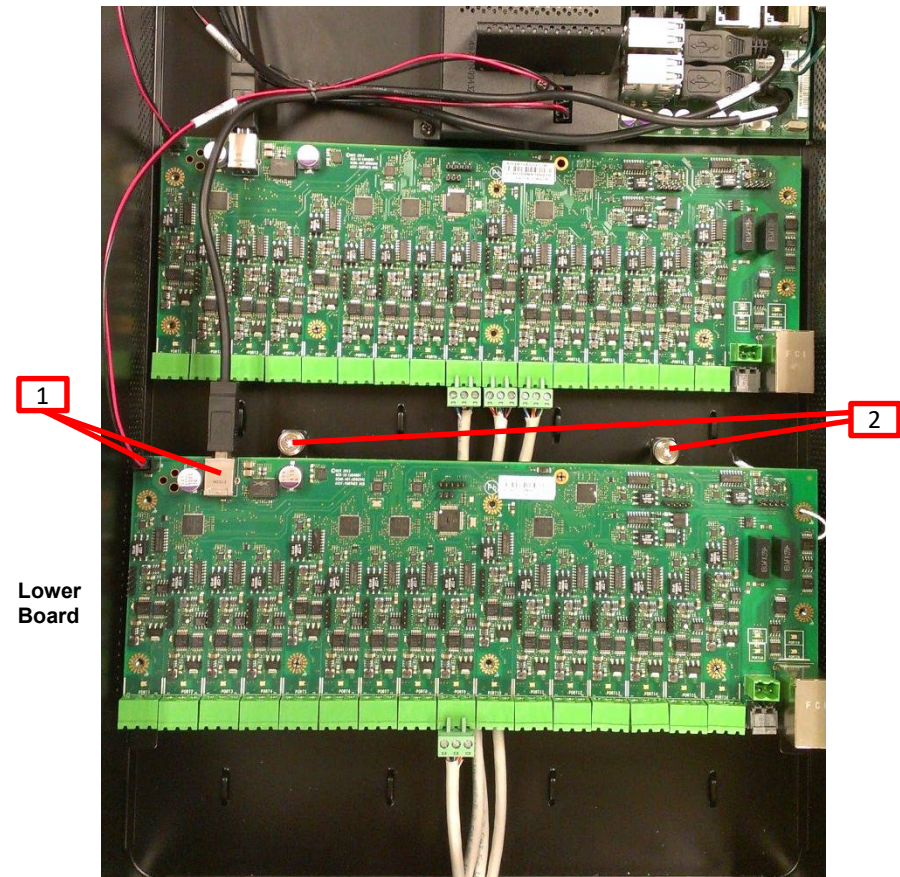


Forecourt Interface Board Port LEDs

- Ports 1 to 16**
Blue constant = 485 idle
Blue blinking = 485 Tx/Rx
Green constant = current loop idle
Green blinking = current loop Tx/Rx
Red constant = port error
Red blinking = communication error
- Ports 17 & 18**
Green constant = idle
Green blinking = Tx/Rx
Red constant = port error
Red blinking = communication error
- Ports 19 & 20**
Blue constant = 485 idle
Blue blinking = 485 Tx/Rx
Green constant = RSTOK idle
Green blinking = RSTOK Tx/Rx
Red constant = port error
Red blinking = communication error



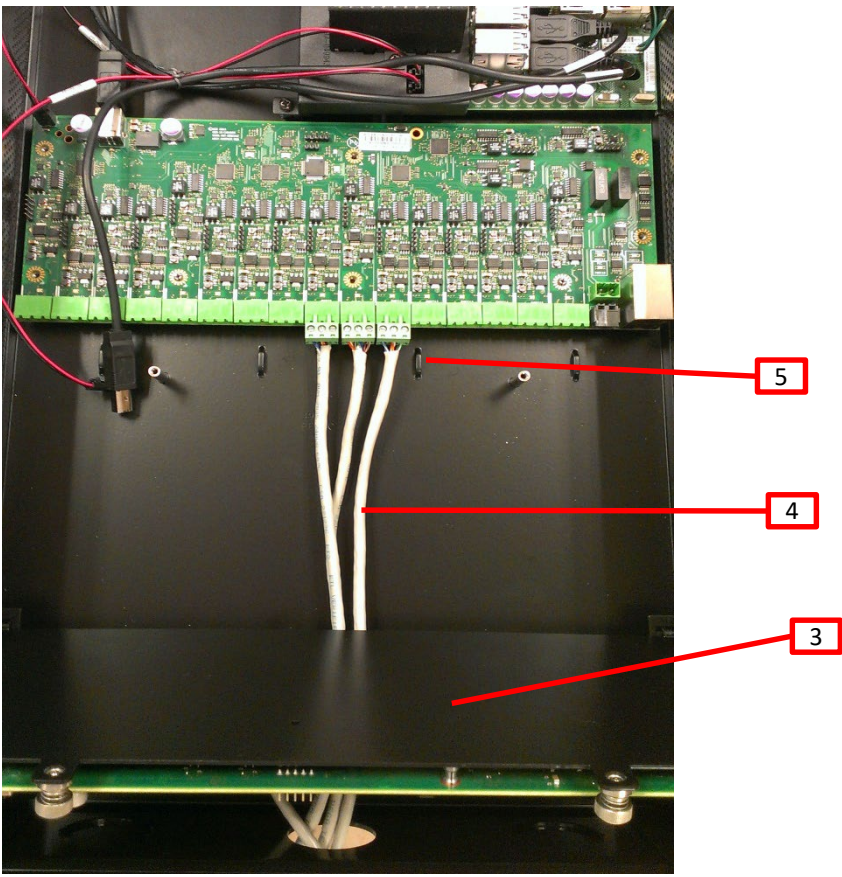
Cable Routing Process for Models with Two Forecourt Interface Boards



Lower Board

To route cables under the lower Forecourt Interface Board:

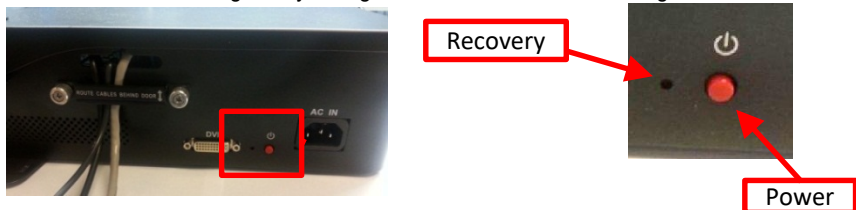
- 1) Remove Power and USB cables from the lower board
- 2) Loosen thumb screws



- 3) Rotate lower board outward
- 4) Route cables underneath chassis as needed
- 5) Tie wrap cables as needed
- 6) Rotate lower board inward
- 7) Tighten thumb screws
- 8) Reconnect Power and USB cables to the lower board

Recovery Utility And Power Button Instructions

Pressing the Recovery Button on the side of the unit during initial boot will cause the Panther Fuel Controller to boot to its Recovery Mode. This operation will automatically run a check disk process to attempt to resolve any problems with the disk or file system and then reboot into Normal Mode. A text file log of any changes will be created on the storage card.



Pressing the Power Button on the side of the unit will cause the Panther Fuel Controller to turn on. To power off the unit, press and hold the Power Button for 4 to 5 seconds.

Mounting Bracket Installation

Follow the instructions below to ensure the safe mounting of the Panther Fuel Controller.

- The AC outlet should be installed near the Panther and be easily accessible.
- Appropriate Hex or Philips head screw driver is required to seat screws. Electric screw driver and applicable bits are required to create pilot holes for either screw or wall anchor.

Wall Mounting

- 1) Verify the conduit coupling is tightly installed. If necessary, remove any additional knockout holes and install additional conduit couplings.
- 2) Attach the wall mount bracket to the wall through the 4 wall mounting holes. Where possible, ensure that at least one vertical pair of mounting holes will be mounted to a stud. For stud mounting use 1/4" diameter x 2" length wood screws. The other hole pair will be mounted with 1/4" diameter x 2 1/4" length hollow wall anchors. If there are no studs available, hollow wall anchors may be used for all mounting holes.



1/4" diameter, 2 1/4" length Wood Screw



1/4" diameter, 2 1/4" length Hollow Wall Anchor

Essential Safety Precautions

- To avoid a possibility of electrical shock, be sure to connect the power cord to the Panther Fuel Controller before connecting it to the A/C power outlet.
- A fire or electrical shock may result if the voltage used with the Panther Fuel Controller is beyond the specified range.
- Voltage and frequency rating: 100V – 240V AC, 60 – 50Hz, 2A.
- To prevent a possible explosion, do not install the Panther Fuel Controller in areas which contain flammable gases.
- Do not cover or install in an enclosed space.
- The Panther Fuel Controller is not water resistant and should not be installed in areas where it may be exposed to water or other moisture.
- Use only 26AWG telecommunication line cord when connecting the optional modem.
- The operating temperature range of this device is 32 to 122 F (0 to 50 C). Do not operate the device if the ambient temperature is not within this range.

IT Power System
The NCR Panther Fuel Controller is suitable for connection to an IT power system with a phase-to-phase voltage not exceeding 240 V.

This device is not intended for use as a workstation.
Cet appareil n'est pas destiné à servir d'ordinateur de travail.
Dieses Geräte kann nicht als Arbeitsplatz verwendet werden

Service

Warning: This product does not contain user serviceable parts. Servicing should only be performed by a qualified service technician.

Attention: Ce produit ne contient pas de composants reparable par l'utilisateur. Le service ne doit être fait que par un technicien qualifié.

Warnung: Dieses Produkt enthält keine verbrauchbaren Teile. Service nur durch einen qualifizierten Fachmann.

Fuse Replacement

Warning: For continued protection against risk of fire, replace only with the same type and ratings of fuse.

Attention: Pour prévenir et vous protéger contre un risque de feu, remplacer la fusible avec une autre fusible de même type, seulement.

Achtung: Gegen schutz vor feuer; ersetzen sie nur sicherungen der selben art und wertung

Power Supply Cord Used as Disconnect Means

Warning: The power supply cord is used as the main disconnect device. Ensure that the socket outlet is located/installed near the equipment and is easily accessible.

Attention: Le cordon d'alimentation est utilisé comme interrupteur général. La prise de courant doit être située ou installée à proximité du matériel et être facile à accéder.

Warnung: Der Stromstecker sollte nahe dem Geräte installiert sein und sollte leicht zugänglich sein.

AC Power Cord Usage

The attached power cord should only be used with this device. It must not be used with any other device.

Connecting to an AC Source

See the AC requirements in the Site Preparation Guide before connecting to the AC supply.

Voir les exigences de courant alternatif dans le Guide de Préparation de Site avant le fait de raccorder aux réserves de courant alternatif.

Lithium Battery Warning

Warning: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type as recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

Attention: Il y a danger d'explosion s'il y a un remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

Warnung: Gefahr von Explosionen wenn die Batterie falsch eingelegt wird. Ersetzen Sie nur mit gleichen oder gleichwertigen Batterien wie vom Hersteller empfohlen. Entsorgen Sie die Batterien wie vom Hersteller empfohlen.

Battery Disposal (Switzerland)

Refer to Annex 4.10 of SR814.013 for battery disposal.

Peripheral Usage

This terminal should only be used with peripheral devices that are certified by the appropriate safety agency for the country of installation (e.g. UL, CSA, TUV, VDE) or those which are recommended by NCR Corporation.

Ce terminal devrait être utilisé avec les mécanismes périphériques qui sont certifiés par l'agence appropriée pour le pays d'installation (UL, CSA, TUV, VDE) ou ceux recommandés par la NCR Corporation. Dieses Terminal sollte nur mit peripheren Geräten benutzt werden die von der geeigneten Sicherheitsagentur für das Land in dem es installiert wird (UL, CSA, TUV, VDE) oder jenen die von der NCR empfohlen werden, angeschlossen werden.

Warning: DO NOT connect or disconnect a printer, keyboard, or any other terminal-powered peripheral while the terminal is powered on. Doing so may result in peripheral or system damage.

System Weight Considerations for Wall or Ceiling Mounted Equipment

Warning: NCR Panther Fuel Controller must be mounted securely to prevent a hazard. They must be installed in accordance with local building codes. The location where the unit is installed should be able to withstand four times the weight of the unit

Attention – Le NCR Panther Fuel Controller doit être installer précautionneusement afin d'éviter tout accident éventuel. Il doit être installé dans le respect des codes de l'établissement.

Warnung: Der NCR Panther Fuel Controller muss sicher montiert werden um Gefahr zu verhindern. Es muss in Übereinstimmung mit den örtlichen Bauvorschriften installiert werden.



Essential Safety Precautions Cont'd

Grounding Instructions

Warning: Grounding circuit continuity is vital for safe operation of the machine. Never operate the machine with the grounding conductor disconnected.

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if you are in doubt as to whether the product is properly grounded. Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the product's plug. **Repair or replace damaged or worn cords immediately.**

Instruction pour Conducteurs

Attention: Assurer la continuité du circuit est essentiel pour un déroulement sécurisé des machines. Ne jamais opérer les machines avec les conducteur de terre débranchés.

Au cas d'un mauvais fonctionnement ou d'une panne, le conducteur de protection offre une alternative de résistance au courant électrique, permettant de réduire le choc. Ce produit est équipé d'un câble électrique et d'un conducteur de protection et d'une prise de terre. La prise doit être branchée à un distributeur correspondant et installé en accord avec les réglementations locales. Ne pas modifier la prise fournit, elle ne fonctionnera pas avec le distributeur et veuillez vous assurer que le distributeur est installé par un technicien qualifié. Un mauvais branchement de l'équipement ou du conducteur de protection peut provoquer l'électrocution. Le conducteur avec l'isolement possède une surface externe qui est verte avec ou sans rayures jaunes est l'équipement de protection du conducteur. Au cas où une réparation ou le remplacement d'un des câbles serait nécessaire, veuillez ne pas brancher l'équipement de protection du conducteur au terminal actif. Vérifiez qu'un électricien qualifié ou un membre du personnel s'en charge si les instructions ne sont pas parfaitement comprises. Utilisez une extension de trois câbles de prise terrienne et trois pôles de réceptions qui sont compatibles avec la prise. **Réparer ou remplacer immédiatement tout câble endommagé.**

ERDUNGSANWEISUNGEN

Warnung: Im Fall einer Funktionsstörung oder eines Zusammenbruchs stellt die Erdung einen Pfad des niedrigsten Widerstandes für elektrische Strömung zur Verfügung, um das Risiko des Elektroschocks zu reduzieren. Dieses Produkt ist ausgestattet mit einer elektrischen Schnur die eine Geräteerdungsleitung und einen Erdungsstecker. Der Stecker muss in einer dazugehörigen Steckdose, die geerdet ist, nach den örtlichen Voraussetzungen, eingesteckt werden. Ändern Sie nicht den Stecker- sollte der nicht in die Steckdose passen, installieren Sie eine angemessene Steckdose durch Ihren Elektriker. Ein falscher Anschluß der Geräteerdungsleitung könnte einen elektrischen Schock verursachen. Die Leitung, die isoliert ist , ist auf der Oberfläche grün mit oder ohne gelbe Streifen und ist die Erdung. Muss die Leitung oder der Stecker repariert oder ersetzt werden, verbinden Sie nicht die Erdung des Gerätes zu dem Terminal, das in Betrieb ist. Überprüfen Sie mit einem Elektriker oder einem Serviceangestellten, wenn Sie die Erdungsanweisungen nicht verstehen, oder wenn Sie bedenken haben, dass das Gerät nicht richtig geerdet ist. Verwenden Sie nur Kabel mit 3 Adern, die eine drei-Stift Erdung haben , und drei Pole, die den Stecker des Produktes einnehmen. **Reparieren oder ersetzen Sie beschädigte oder verbrauchte Kabel sofort.**

Environmental Consciousness

NCR is demonstrating its concern for the environment by designing an intelligent power management system into this terminal that operates efficiently whether the system is in a stand-alone or network environment. Do not discard the unit or its parts (e.g. batteries) with general household waste; recycle or dispose in accordance with your local regulations.

State of California Perchlorate Material Notification

Perchlorate Material — special handling may apply.
See: <http://www.dtsc.ca.gov/hazardouswaste/perchlorate>
The lithium coin cell batteries in this product contain Perchlorate and are subject to the State of California's Best Management Practices (BMP) Regulations for Perchlorate Materials. Please visit the above website for more information.

Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause interference in which case the user will be required to correct the interference at his own expense. NCR is not responsible for any radio or television interference caused by unauthorized modification of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by NCR. The correction of interference caused by such unauthorized modification, substitution or attachment will be the responsibility of the user. The user is cautioned that changes or modifications not expressly approved by NCR may void the user's authority to operate the equipment.

Canadian Department of Communications

These digital apparatuses are Class A digital apparatuses that comply with Canadian ICES-003. These digital apparatuses do not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada. Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le règlement sur le brouillage radioélectriques édicté par le ministère des Communications du Canada.

International Radio Frequency Interference Statement

Warning: NCR EPC4 Terminal is a Class A products. In a domestic environment these products may cause radio interference in which case the user may be required to take adequate measures.

Declaration of Conformity

Manufacturer's Name NCR Corporation
Manufacturer's Address NCR Corporation
Hospitality Division – Atlanta
2651 Satellite Boulevard
Duluth, GA 30096-5810
Type of Equipment Information Technology Equipment— Electronic Payment Controller
Model Number 1651

NCR Corporation, 3097 Satellite Boulevard, Duluth, GA 30096, USA, declares that the equipment specified above conforms to the referenced EU Directives and Harmonized Standards.

EU Directive Harmonized Standard (s)

2004/108/EC
EN 55022: 1998 + A1: 2000+ A2:2003
EN 55024: 1998 + A1: 2001+ A2:2003
EN 61000-3-2: 2000 + A2: 2005
EN 61000-3-3: 1995 + A1: 2001 + A2: 2005
2006/95/EC (Low Voltage)
EN 60 950-1; 2006/A11:2009
EN 60 825-1; 2007

Basic Troubleshooting

Problems

Suggestions

The unit will not power on

- Verify A/C outlet is on / breaker is not tripped.
- Verify power cord is firmly plugged in to A/C outlet and Panther.

No network connectivity

- Verify cable is rated category 5e or higher.
- Verify hub / switch is 10/100/1000 and is powered on.
- Verify RJ-45 connector is properly pinned out and terminated.
- Verify cable is firmly plugged in to hub and Panther.

Support Information

Visit NCR on the World Wide Web

<http://www.ncr.com>

