WTI Part No.: 14124
Rev. D

PTS Series

Automatic Power Transfer Switch

Quick Start Guide

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Warnings and Cautions:
Installation Instructions

Secure Racking

If Secure Racked units are installed in a closed or multi-unit rack assembly, they may require further evaluation by Certification Agencies. The following items must be considered.

1. The ambient within the rack may be greater than room ambient. Installation should be such that the amount of air flow required for safe operation is not compromised. The maximum temperature for the equipment in this environment is 55°C. Consideration should be given to the maximum rated ambient.

2. Installation should be such that a hazardous stability condition is not achieved due to uneven loading.

Input Supply

Check nameplate ratings to assure there is no overloading of supply circuits that could have an effect on overcurrent protection and supply wiring.

Grounding

Reliable earthing of this equipment must be maintained. Particular attention should be given to supply connections when connecting to power strips, rather than direct connections to the branch circuit.

No Serviceable Parts Inside; Authorized Service Personnel Only

Do not attempt to repair or service this device yourself. Internal components must be serviced by authorized personnel only.

- **Shock Hazard - Do Not Enter**

Disconnect Power

If any of the following events are noted, immediately disconnect the unit from the outlet and contact qualified service personnel:

1. If the power cord becomes frayed or damaged.

2. If liquid has been spilled into the device or if the device has been exposed to rain or water.

Two Power Supply Cables

Note that PTS Series units feature two separate power circuits, and a separate power supply cable for each power circuit. Make certain to disconnect both power supply cables before attempting to service or remove the unit.

15-Amp "Starter" Cable

Depending on your specific model, PTS Series units may be shipped with either one or two 125 VAC, 15 Amp "Starter" Cables. These Starter Cables will allow you to connect the PTS to power for bench testing and initial start up and are adequate for applications that only require 15 Amps. For 20-Amp power switching applications, please refer to the WTI Power Cable guide supplied with the unit, or use appropriate 20-Amp cables.

Units with Attached Power Supply Cable(s)

For units with fixed Power Cords the socket-outlet shall be installed near the equipment and shall be easily accessible.

Restricted Access Location

Equipment is intended for installation in Restricted Access Location.

Les matériels sont destinés à être installés dans des EMPLACEMENTS À ACCÈS RESTREINT.

1. Introduction

This Quick Start Guide describes the installation procedure for the PTS series hardware. The PTS is essentially a power fallback switch, that automatically switches power from a primary input to a secondary input when power to the primary input is lost or interrupted.

2. Hardware Installation

Mounting Instructions

Horizontal Mount PTS Models: Horizontal Mount PTS models that are less than 17 inches wide include brackets for wall mounting. Note that optional rack mounting brackets are also available for all PTS models.

Vertical Mount PTS Models: Vertical PTS models include both button mounting hardware and bracket mounting hardware. The mounting method chosen will usually depend on the nature of equipment rack in which the vertical PTS will be mounted. For more information, please refer to the "Vertical Mount Power Devices Rack Mounting Options" document, which can be found on the WTI website at:

https://www.wti.com/guides/vert-mount-power-device-options.pdf

Apply Power to the PTS

Refer to the warnings and cautions at the beginning of this guide and the power rating nameplate on the PTS back panel, and then connect the unit to two appropriate power sources. For units with detachable power input cables, connect the power input cables to the power inlets, install the cable keepers, and then connect the primary power input cable to your primary power supply and the secondary power input cable to your secondary power supply.

Notes:

- After connecting your power cables to the PTS unit, make certain to secure the cables in order to prevent accidental disconnection.
- PTS-1 series units are designed for switching power input lines that are typically 120 VAC. If a power input higher than 140 VAC is connected to a PTS-1 unit, then power switching features will not function correctly.
- PTS-2 series units are designed for switching power input lines that are typically 240 VAC. If a power input lower than 190 VAC is connected to a PTS-2 unit, then power switching features will not function correctly.

3. Operation

When properly installed, the PTS will automatically switch power from the primary input to the secondary input when the power to the primary input is interrupted. After switching from primary to secondary, the PTS will also switch power back to the primary input when power to the primary input is restored. Note that the "Input Power" LEDs on the PTS front panel will light to indicate which power input is active. If the "Primary" LED is lit, this indicates that the Primary Power source is active; if the "Secondary" LED is lit, this indicates that the Secondary power source is active.

Notes:

FCC Part 15 Regulation

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Plug the equipment into an outlet on a circuit that is different from the one used by the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC rules. Operation of this device is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may cause undesired operation.

> **WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment**

EMC and Safety Directive Compliance

The CE mark is affixed to this product to confirm compliance with the following European Community Directives:

- Council Directive 2014/30/EU of 26 February 2014 on the approximation of the laws of Member States relating to electromagnetic compatibility;

  and

- Council Directive 2014/35/EC of 26 February 2014 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits;

Industry Canada - EMI Information

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

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