Rack-Mount Fail-Safe Transfer Switch

Redundant Power for Single-Power Devices

Key Features

- **Dual Input Power:** Supply single-power corded equipment with dual, redundant power feeds.
- **Universal Voltage:** Select 110-120V or 200-230V AC.
- **User-Definable Priority Feed:** The Primary Select switch allows the user to designate which feed is primary and which is secondary.
  - Allows engineer to switch the load between power sources without interruptions.
- **Branch Circuit Protection:** Compliant to UL 60950-1
- **Visual Indication:** LED indicators easily distinguish which power source is supplying power to the outlets.
- **Mechanical Integrity:** Cable-retention brackets for all power inlets and outlets.

Fail-Safe Transfer Switch

The Sentry Fail-Safe Transfer Switch (FSTS) features two input power feeds, from separate AC circuits, to supply single-power supply equipment with dual, redundant power sources. A primary AC circuit provides power to the connected device(s). If that primary power sources becomes unavailable for whatever reason, then the Sentry FSTS auto-switches to the secondary power source to support the connected equipment.

The transfer from one power source to the other is seamless to the connected equipment. When the secondary power source is available, an interruption of the primary power source will not affect the equipment's uptime or performance.

Unique to the Sentry FSTS is the ability to designate which power source is primary and which is secondary. With the Primary Select switch, a power engineer simply toggles the switch from primary to secondary, which transfers the load from one power feed to the other. Now, the "secondary" becomes "primary" and the power engineer can safely work on the first power source without dropping power to the connected equipment.

Also exclusive to the FSTS is the ability to select the high voltage (208-230V) or low voltage (110-120V) operating range of the AC power source. Use the Sentry FSTS as a universal power transfer switch for all cabinets and servers, regardless of the voltage. Before applying power for the first time, just remove a panel and then choose the appropriate voltage range.

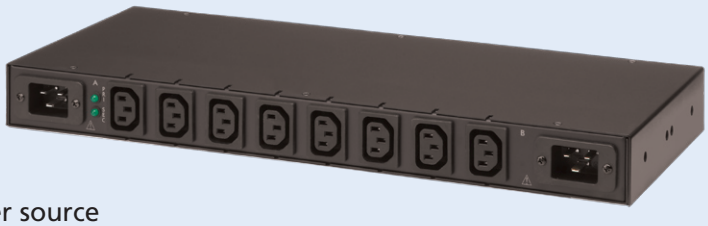
Item Number and Description

Item #

PTTS-H008-0-02M

Description

> Sentry Fail-Safe Transfer Switch
> (2) 20A power input feeds
> (8) C13 power outlet receptacles
> Fail-safe redundancy between primary and secondary
> Primary-Select switch to designate primary power source
> Range-Select switch to designate operating range (voltage).



Technical Specifications

Input Power

> (2) IEC 60329/C20 Inlets
> Primary Power Source Input
> Secondary Power Source Input
> Requires both power input feeds to be phase-synchronized

Outlet Power

> (8) IEC 60320/C13 outlets
> Sum of all 8 outlets must be less than or equal to 16A
> Each outlet rated by UL/CSA to 12A for 100-120V and 208-240V operation, and by TUV to 10A for 230V operation.

Conformance & Agency Certifications

> US & Canada (cTUVus mark) to UL 60950-1:2003 and CAN/CSA 22.2 No. 60950-1-03
> European Union (TUVGS mark) to EN 60950-1:2001
> FCC Class A, Part 15; CE; EMC - EN 55022 Class A, EN 55024

Indicator LEDs

> Confirms power supplied to outlets
> Identifies condition as primary power source or secondary power source supplying power to outlets

Dimensions

> 1U HxWxD: 1.75 x 17.2 x 7.0 in / 44 x 437 x 178 mm
> 19" rack-mount brackets included.

Transfer Range

Nominal	Pull In	Drop Out
110-120V	90V	12V
208-230V	173V	23V

Voltage Range Select

> Supplies either 100-120V or 208-230V AC voltage ranges
>120V and 230V equipment cannot be intermixed
> All power input feeds must be removed prior to selecting/altering operating range
> Remove Range Select faceplate covering to select appropriate voltage
> Lucite window allows visual confirmation of voltage range
> Switch in "up" position designates 208/230V
> Switch in "down" position indicates 110/120V

Mechanical Integrity

> Dual-brace cable retainer brackets on power input feeds
> Clip-style cable-retention retainer brackets at each power outlet
> Adjustable mounting for the front or rear flush panel

Power Cord Options

> PTCORD-1 IEC 60320/C19 - NEMA L6-20P (20A Twist Lock) 10ft (3m)
> PTCORD-2 IEC 60320/C19 - Schuko 10ft (3m)
> PTCORD-3 IEC 60320/C19 - IEC 60309 (BS4343, CEE17) 16/20A Blue (UK Commando) 10ft (3m)
> PTCORD-4 IEC 60320/C19 - BS1363 13A (UK) 10ft (3m)
> PTCORD-5 IEC 60320/C19 - 5-15P (15A Straight-Blade) 10ft (3m)
> PTCORD-6 IEC 60320/C19 - 5-20P (20A Straight-Blade) 10ft (3m)
> PTCORD-7 IEC 60320/C19 - L5-20P (20A Twist-Lock) 10ft (3m)

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