Server Technology
A brand of **legrand**

PTTS-H008-0-02M
(Rev. C or Higher)

The Server Technology® Basic 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 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 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 or low voltage 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.

Key Features

Color Identification
Choose from six colors to designate circuits for rack PDUs in the data center. Color options include Blue, Red, Green, White, Yellow, and Black.

Inputs

Input Voltage (V):	North America: 100-120V/208-240V, Global: 220-240V
Frequency	50/60 Hz
Input Plug:	(2) IEC C20 Inlets
Input Current (A):	16
Input Current Rated (A):	16
Input Power Capacity (kW):	1.6 to 3.6
Requires PTCORD-L1, -L2, -L3, -L4, -L5, -L6, or –L7	

*** Requires both input power feeds to be phase-synchronized ***

Outputs

Connector	Rating
(8) x IEC 60320/C13	North American Rating: ≤ 12A @ 100-120V and 208-240V L-L Global Rating: ≤ 10A @ 220-240V L-N

Branch Circuit Protection

N/A

Physical

Dimensions: 1.75in tall x 17.2in wide x 7.0in deep [45mm x 437mm x 178mm]

Environmental

Operating Environment: 32°F to 104°F / 0°C to 40°C | 8%RH to 90%RH non-condensing | 6,500ft/2km elevation
Storage Environment: -40°F to 185°F / -40°C to 85°C | 8%RH to 90%RH non-condensing | 50,000ft/15km elevation
Quiescent / Unloaded Power Draw: < 10W for all configurations

Communications & Security

N/A

Certifications

North American

Safety (TUVR certified, cTUVus mark)

   UL Std. 62368-1

   CAN/CSA-C22.2 No. 62368-1

Global

Safety

   EN 62368-1 (TUVR certified, T-mark)

   IEC 60950-1 incl. regional, national and harmonized differences (IECEE CB scheme)

   IEC 62368-1 incl. regional, national and harmonized differences (IECEE CB scheme)

   RoHS, European Hazardous Materials Directive, 2011/65/EU

   WEEE Compliant

   CE Mark

   UK Legislation

   RoHS, Electrical Equipment (Safety)

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

Transfer Range

- 110-120V – Pull In: 90V, Drop Out: 12V
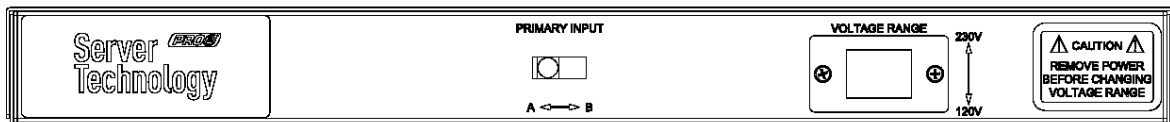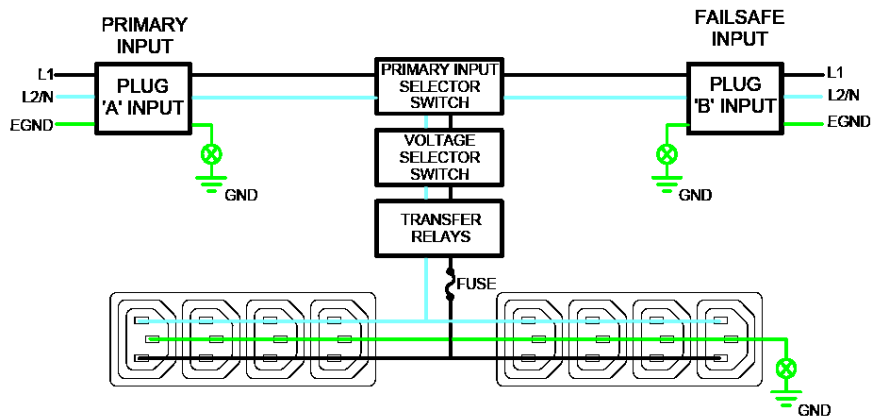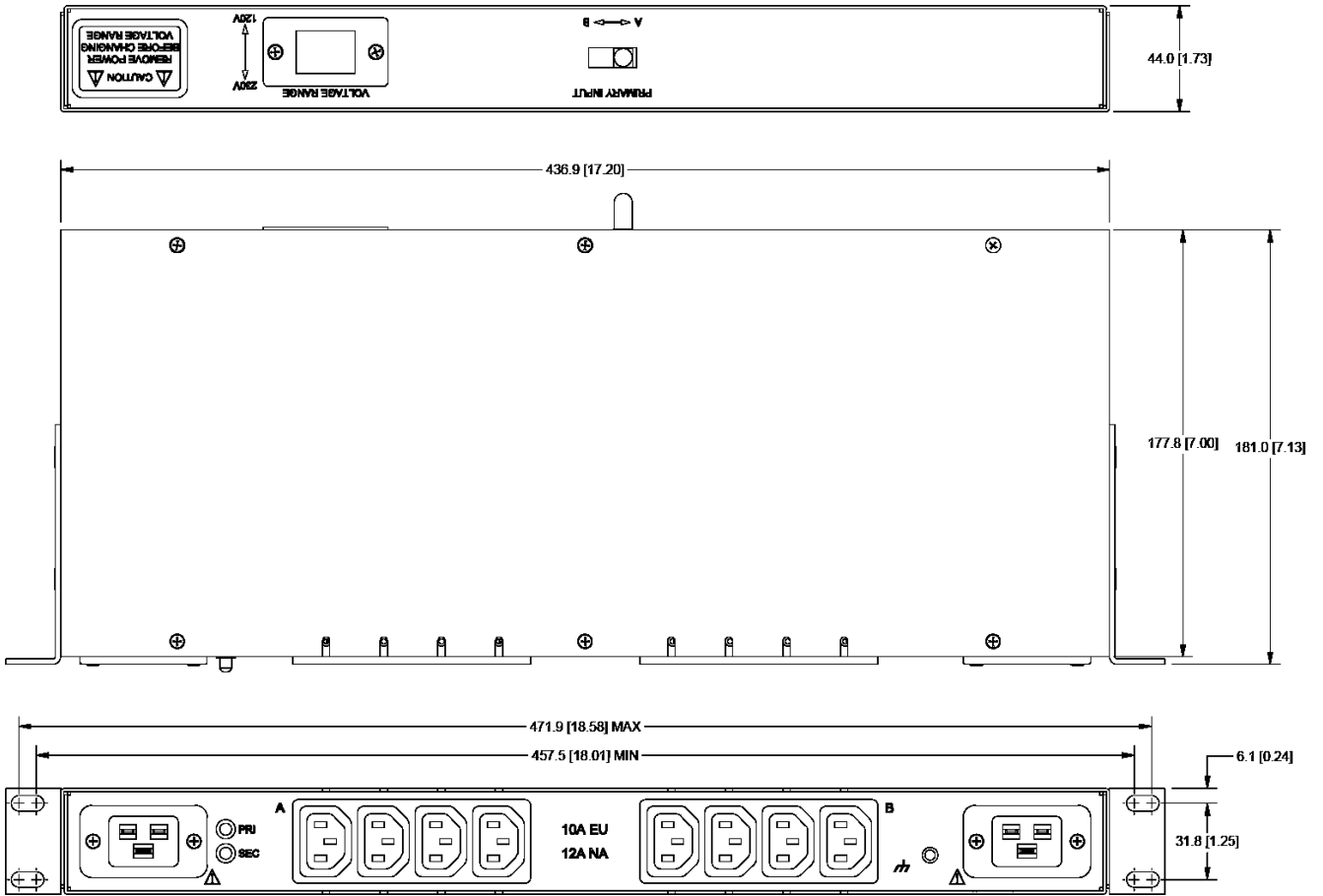- 208-230V – Pull In: 173V, Drop Out: 23V

Power Cord Options

- PTCORD-L1 IEC 60320/C19 - NEMA L6-20P (20A Twist Lock) 10ft (3m)
- PTCORD-L2 IEC 60320/C19 - CEE 7/7 Schuko 10ft (3m)
- PTCORD-L3 IEC 60320/C19 - IEC 60309 (BS4343, CEE17) 16/20A Blue (UK Commando) 10ft (3m)
- PTCORD-L4 IEC 60320/C19 - BS1363 13A (UK) 10ft (3m)
- PTCORD-L5 IEC 60320/C19 - 5-15P (15A Straight-Blade) 10ft (3m)
- PTCORD-L6 IEC 60320/C19 - 5-20P (20A Straight-Blade) 10ft (3m)
- PTCORD-L7 IEC 60320/C19 - L5-20P (20A Twist-Lock) 10ft (3m)

Optional Accessories

- Mounting brackets included
- See the Mounting Bracket Guide for further suggestions

Drawings

Additional Information

Warranty: Server Technology offers a standard 2-year limited parts & labor warranty. Extended support is available at the time of purchase. See the Support Options on the website, or contact your local Server Technology representative for more information.

Patents: Information on Server Technology patents is available on the website at: www.servertech.com/products/patents

"Global" models are typically for use in countries outside of North America. Contact your Server Technology representative for more information about which models are appropriate for your application.

Information in this document is current as of time of publishing. Contact your Server Technology representative for the most up-to-date information. This datasheet was generated on: 14-Oct-2021

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