Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

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Email: sales@LarsonElectronics.com
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MPD-ATS-2P3W-16A-230V-1PH-N3R

16A Automatic Transfer Switch, 230V 1PH, 2-Pole, w/ Mechanical & Electrical Interlocking, Aluminum, NEMA 3R, Open Transition

Product ID: 342297

Image: MPD-ATS-2P3W-16A-230V-1PH-N3R

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MPD-ATS-2P3W-16A-230V-1PH-N3R Automatic Transfer Switch
Unit Type: Automatic Transfer Switch, 2-Pole

Configuration: 230V, 1-Phase, 2-Pole, 3-Wire, 60Hz
Current Rating: 16A
Switching Mechanism: Circuit Breaker (Contactor Type as option)
Interlocking: Mechanical and Electrical Interlocking
Load Transition Type: Open Transition (Automatic)
Control Voltage: 24V

Transfer Controller & Automatic Control Logic
Source Failure Detection: Undervoltage/Overvoltage, Frequency Monitoring
Generator Start Sequence, Transfer, Time Delay, and Return to Utility, w/ Stability Verification
Programmable Time Delays: Source Failure, Generator Stabilization, Retransfer
Alarms: Generator Start Failure, Generator Undervoltage, Overfrequency/Underfrequency, Overtemperature, Transfer Switch Failure
Event History / Log

Construction
Materials: Aluminum

Finish: Electrostatically Applied and Baked Powder Paint

Mount: Wall or Surface, via (4) Screw Holes
Lug Range: 1/0 – #14

Made in the USA

Features of Every Assembly
NEMA 3R Rated
Digital Power Technology (DPM)
10,000 Amps Withstand Rating
Listed for United States & Canada
UL 1008 Certified
CSA Certified

Ratings & Approvals
Standard Compliance: UL 1008, CSA
All grounding shall comply with applicable NEC and local electrical codes

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Dimensions & Shipping
Overall Dimensions: 20" x 14.6" x 7.09" (estimated)
Approximate Weight: 20 lbs (estimated)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped on pallet or skid
Crated shipment available upon request
Final shipping configuration subject to approved design

Special Features
Manual Bypass Switch for Maintenance — Available as Separate Optional Line Item, Subject to Cost Adjustment

Special Orders – Special Requirements

Contact us for special requirements

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Customer Compliance
Final arrangements, sizes, ratings, and construction details will be finalized during detailed engineering review and vendor/manufacturer confirmation prior to release for manufacture.

Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being one-time custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Made in the USA

The MPD-ATS-2P3W-16A-230V-1PH-N3R from Larson Electronics is an Automatic Transfer Switch designed to manage electrical loads between two power sources in industrial and commercial facilities. This 16-amp, 230V single-phase, 2-pole unit is housed in an aluminum, NEMA 3R enclosure.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

The **MPD-ATS-2P3W-16A-230V-1PH-N3R** offers accurate, automatic control of electrical power and loads in facilities where a backup generator or standby power system is installed. The unit features 230V single-phase compatibility, 2-pole, 3-wire construction, and open type automatic load transition. The switching mechanism may be furnished as either a circuit breaker or contactor type, and the assembly incorporates both mechanical and electrical interlocking to prevent simultaneous connection of both power sources. During abnormal conditions, this unit can withstand a maximum of 10,000 amps.

Transfer Controller & Automatic Control Logic
The controller provides source failure detection, monitoring for undervoltage/overvoltage conditions and frequency deviation. Upon detecting a source failure, the controller executes a generator start sequence, transfer, time delay, and return-to-source sequence, incorporating stability verification before load transfer. Time delays are field-programmable for source failure response, generator stabilization, and retransfer. The controller provides alarm outputs for generator start failure, generator undervoltage, overfrequency/underfrequency conditions, overtemperature, and transfer switch failure, along with an event history/log function for operational record-keeping.

Construction

The automatic transfer switch is constructed of aluminum with electrostatically applied and baked powder paint. Operators may mount the NEMA 3R-rated unit on compatible walls or surfaces via four screw openings located at the back of the controller.

Optional Bypass/Maintenance Switch
A manual bypass switch for maintenance, allowing service of the transfer switch without interrupting load, is available as a separately quoted option, subject to cost adjustment.

Ratings & Approvals
This unit is listed for the United States and Canada, UL 1008 Certified, and CSA Certified. All grounding shall comply with applicable state and local codes and NEC requirements.

Customer Compliance
Final arrangements, sizes, ratings, and construction details will be finalized during detailed engineering review and vendor/manufacturer confirmation prior to release for manufacture.

Applications
Backup generators, power management, energy systems, industrial facilities, commercial spaces and more.

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At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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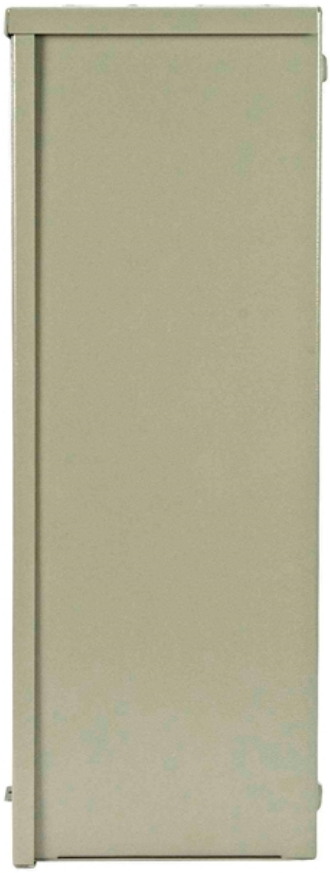

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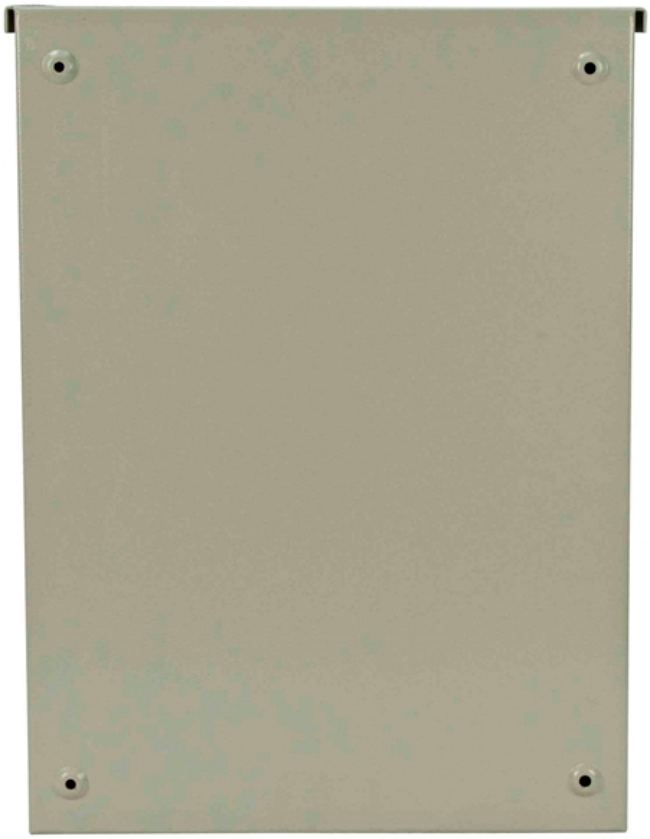

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Frequently Asked Questions (FAQ)

There are no Faqs