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MT-SMB-UPS-WM-3P-480V-10KVA-M1

10 KVA Maintenance Bypass Panel for UPS – 480V AC 3PH – 3-Breaker, Kirk-Key Interlocked – Wall Mount

Product ID: 344367

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MT-SMB-UPS-WM-3P-480V-10KVA-M1

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.

MT-UPS-SMB-WM-3P-480V-10KVA-M1 Maintenance Bypass and Power Output Distribution Unit

Unit Type: Maintenance bypass panel (3-breaker configuration)

Dimensions: 30″ W × 10.8″ D × 42″ H

Weight: 200 lbs

Input Voltage: 480V AC, Three Phase, 3-Wire + Ground

Output Voltage: 480V AC, Three Phase, 3-Wire + Ground

Power Capacity: Suitable for UPS systems rated up to 10 KVA (switching/bypass only)

Breakers Installed:

- **Maintenance Bypass Breaker (MBP)**: 40A, 3-Pole
- **UPS Input Breaker (MIB):** 40A, 3-Pole
- **UPS Output Breaker (MIS):** 40A, 3-Pole

Interlocking: Kirk-Key mechanical interlock system to prevent unsafe operating sequences

Function: Provides a **manual,** Kirk-Key interlocked maintenance bypass path allowing isolation of the UPS for service while maintaining continuity of power to the load. Designed for safe maintenance operations without simultaneous connection of UPS and bypass sources.

Ratings/Approvals

UL 508A Industrial Control Panel

Special Orders - Special Requirements

Form Factor: Wall Mount
Enclosure Type: NEMA 1 – Indoor Rated, steel enclosure
Mounting Orientation: Surface-Mounted Panel
Cooling: Natural convection (fanless)
Grounding: Internal equipment grounding lug provided

Contact us for special requirements
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All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

The MT-SMB-UPS-WM-3P-480V-10KVA-M1 is a wall-mounted, three-breaker maintenance bypass panel designed for use with an online double-conversion industrial Uninterruptible Power Supply (UPS) rated up to 10 kVA, 480V AC, 3-phase, 50/60 Hz.

The MT-SMB-UPS-WM-3P-480V-10KVA-M1 enables safe, manual transfer between utility power and UPS power during maintenance without interrupting power to critical equipment. This unit utilizes a Kirk-Key mechanical interlock system to prevent unsafe operating sequences and features a three-breaker configuration consisting of a maintenance bypass breaker (MBP), UPS input breaker (MIB), and UPS output breaker (MIS). This panel is intended for bypass and isolation only and does not include internal power distribution or load branch circuitry.

Wiring: Utility power is connected to the panel's input terminals using appropriately sized conductors in accordance with applicable electrical codes. The UPS input is connected through the MIB and the UPS output through the MIS. Critical loads are connected downstream of the UPS. During normal operation, power flows through the UPS. During maintenance, the MBP provides a safe bypass path allowing the UPS to be isolated without interruption to the load.

Mounting: The MT-SMB-UPS-WM-3P-480V-10KVA-M1 is wall-mounted for easy integration with standard three-phase UPS installations in industrial and commercial electrical rooms.

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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Frequently Asked Questions (FAQ)

There are no Faqs

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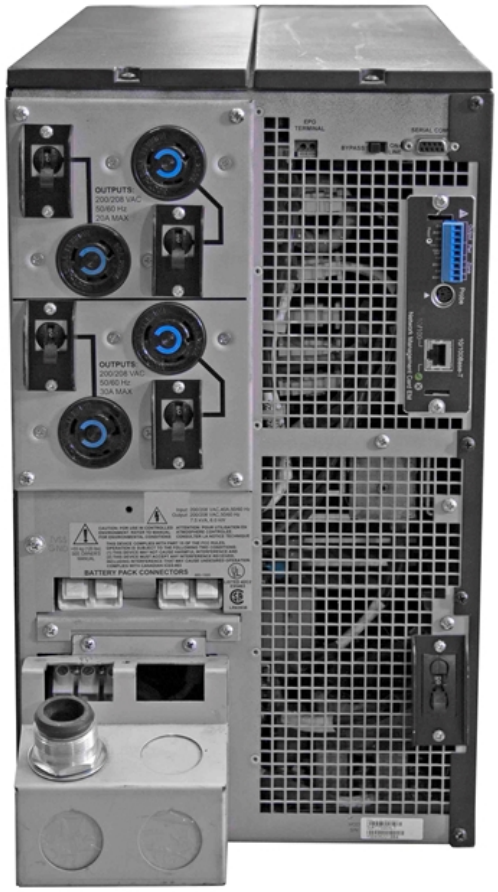

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Video1** (https://www.youtube.com/watch?v=LCYOu15ez4s)
- **ISO 9001 Certification** (http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate** (https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map** (https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)