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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MPD-STS-2P-100A-120V-1PH-N1

100 Amp Static Transfer Switch Automatic/Manual/Remote - 120V 1PH 2P3W 50-60Hz, NEMA 1

Product ID: 322566



Image: MPD-STS-2P-100A-120V-1PH-N1

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-STS-2P-100A-120V-1PH-N1 Static Transfer Switch
Unit Type: Static Transfer Switch
System Phase: Single-Phase (1PH, 2P3W)
Voltage: 120V
Frequency (Hz): 50-60 Hz (50-60 cycles)
Amps: 100A
Lug Range: 1/0-14 AWG
Control Type: Dual SCR-based solid-state
Transfer Type: Break before make (<4 ms)
Transition Modes: Automatic / Manual / Timer Control
Materials: Coated Steel
Finish: Electrostatically Applied and Baked Grey Powder Paint
Mount: Wall Mount, Bottom Feed
Dimensions: 7.87"-D x 11.81"-W x 15.75"-H
Weight: 265 Lbs
Larson Electronics manufacture 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.

Features/Ratings
NEMA 1 / IP 20
Digital Power Technology (DPM)
ISO 9001
CE Listed
Max OCP: 100A @ 120V

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

The MPD-STS-2P-100A-120V-1PH-N1 from Larson Electronics is a Static Transfer Switch that is ideal for managing electrical loads between two sources in industrial and commercial facilities. This 100-amp, 120V single-phase (2P3W) unit supports automatic,

manual, and remote operation, handling timing, sensing, exercise functions, and transfer commands. Constructed of steel, the unit is housed in a NEMA 1 enclosure.

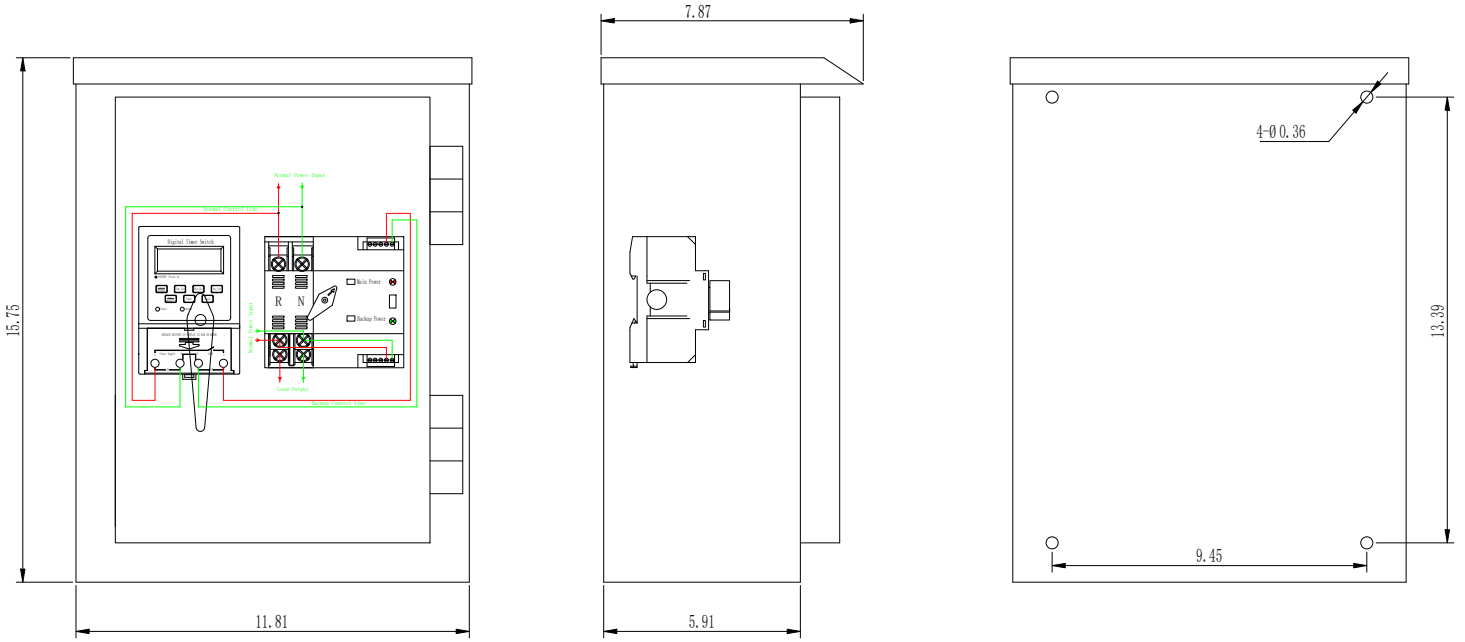
The MPD-STS-2P-100A-120V-1PH-N1 offers accurate control of electrical power and loads in locations where a backup generator or energy management system is installed. This 100-amp unit features 120V single phase compatibility and automatic, manual, and remote transition modes. The controller is designed to handle all commands related to the following: timing, sensing, exercise functions, and transfers.

The static transfer switch is constructed of coated steel with electrostatically applied and baked grey powder paint. Unit is designed for floor mounting installations with an open bottom feed configuration.

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

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.

Technical Parameters		
01	Enclosure Color	RAL 7012AE
02	Operating Altitude	≤1000M
03	Operating Environment	Outdoor, wall-mounted
04	Protection Rating	NEMA 1/IP20
05	Wiring Configuration	Bottom Entry & Exit(Cable)
06	Busbar Configuration	Single-phase, 2-wire
07	Rated Voltage	120V
08	Rated Current	100A
09		
10	Dimensions Unit	Inches



Note:

1. The dual-power transfer switch on the right has an automatic switching function for two input power supplies.

2. The time switch on the left can be configured to control the switching of the dual-power transfer switch during specified time periods.

No.	Name	Type & Spec.	Qty	
05				
04				
03	Digital Timer Switch		1	
02	Enclosure		1	
01	Automatic Transfer Switch		1	

Loan (common) registration

CAD Drawing

Previous Drawing No.

Master Drawing No.

Signature

Date

Project Name	Mark	Number	Changed file num	Signature	Date	Process	Design	Verification	Standardization	Approval	Date
											2025-10-09

General Assembly Drawing

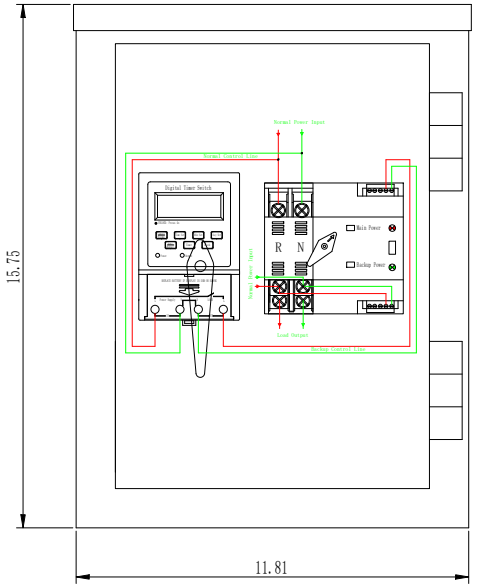
Drawing Name

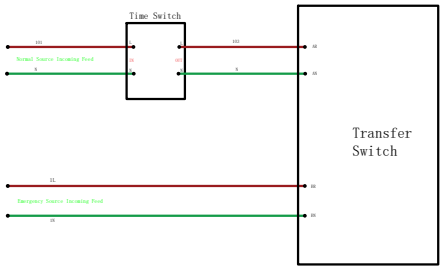
Number

LARSON MAGNETICS

No. 1 Page

Tot. 1 Page

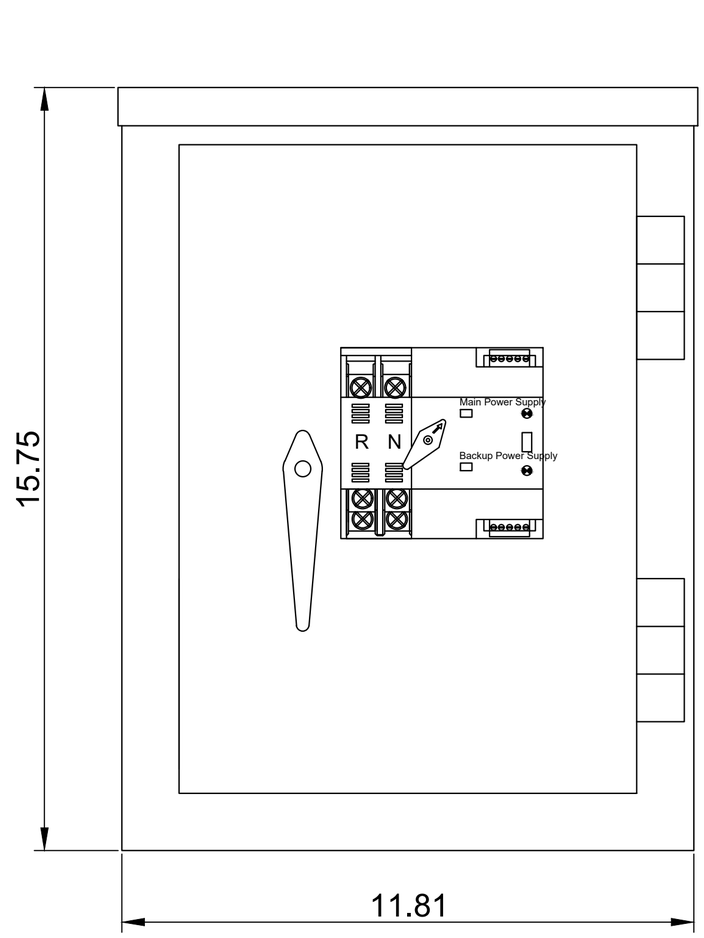


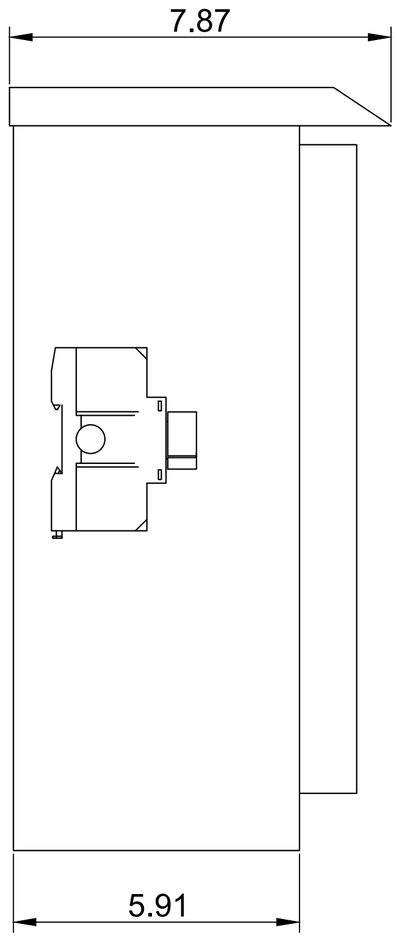


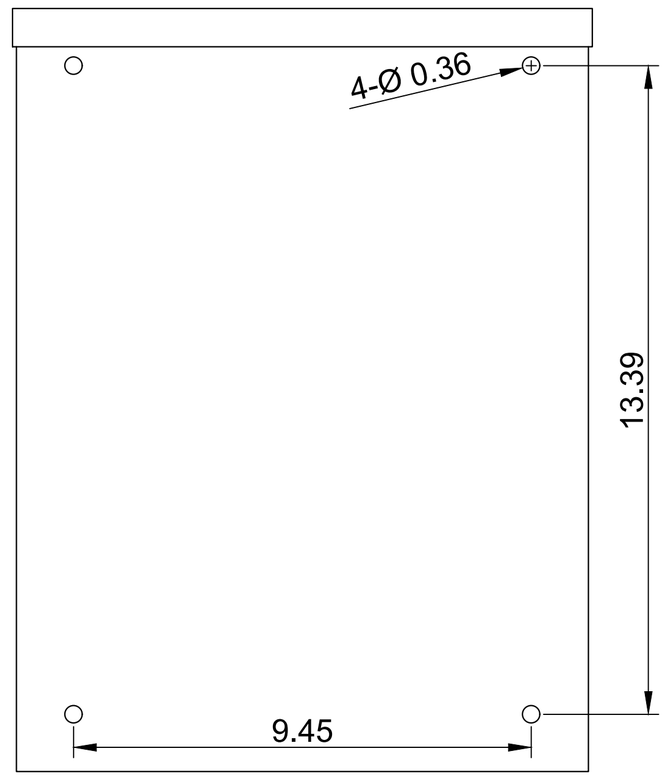
Loan (common) registration											
CAD Drawing											
Previous Drawing No.											
Master Drawing No.											
Signature											
Date											
	Project Name	Mark	Number	Changed file num	Signature	Date	Process		Standardization		Schematic Diagram	Drawing Name		LARSON MAGNETICS	No. 1 Page
							Design		Approval						
							Verification		Date	2025-10-09		Number			Tot. 1 Page

Technical Parameters		
01	Enclosure Color	RAL 7012 4E Gray
02	Operating Altitude	≤1000m
03	Operating Environmen	Outdoor, wall-mounted installation
04	Protection Rating	NEMA 1/IP20
05	Wiring Configuration	Bottom Entry & Bottom Exit(Cable)
06	Busbar Configuration	Single-phase two-wire
07	Rated Voltage	120V
08	Rated Current	100A
09		
10	Dimensions Unit	Inches

The unit is converted from millimeters to inches,
and the value is rounded to two decimal places.







No.	Name	Type & Spec.	Qty	
05				
04				
03				
02	Outdoor Enclosure		1	
01	Automatic Transfer Switch	100A	1	Timer control optional No remote control function.

LARSON MAGNETICS

9419 E US HWY 175,
KEMP, TX 75143

TITLE

MPD-STS-2P-100A-120V-1PH-N1

DRAWN BY	DATE	REV
CHECKED BY	SHEET # OF	DRAWING #

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



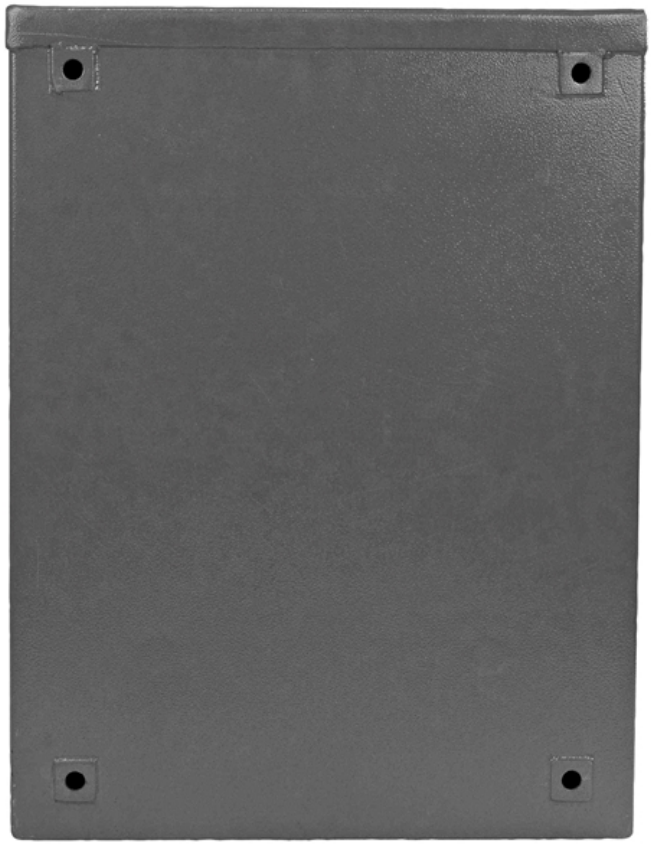
Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs