



RV CIRCUIT ANALYZER WITH SURGE PROTECTION



USER MANUAL



WELCOME TO THE FAMILY!



Thanks for purchasing the LATCH.IT RV Surge Protector!
We are a family owned American business that
cares about your RV needs!

Please review, read and understand ALL instructions to ensure proper
functionality.

If you have any questions or concerns, don't hesitate to reach out to us,
we are always available at info@latchit.org

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TABLE OF CONTENTS

01

TECHNICAL SPECIFICATIONS

02

LED INDICATORS & WHAT TO DO

03

HOW TO PROPERLY OPERATE YOUR SURGE PROTECTOR

04






TROUBLESHOOTING

01

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Operating Current	30 Amps
Operating Voltage	125 Volts
Maximum Watts	3750W
Energy Dissipation	2100 J
Voltage Range	90 - 140 Volts
Reverse Polarity Indication	YES
Power Indicator Lights	YES
Corrosion Resistant	YES
Surge Protection Indication	YES
UL Certified	YES

WARNINGS AND NOTICES

-  ALWAYS verify surge protection and correct wiring BEFORE plugging in your RV.
-  ONLY USE with 30Amp applications – over amperage could lead to fires!
-  Surge protection will RESET after a voltage spike under 2100J.
-  If Surge Protection light is not on or LED Indicator shows wiring faults, DO NOT use.
-  We do not recommend using extension cables due to various specifications, however, always ensure it is not overheating under full load.

SMART DIAGNOSTIC CHART

DIAGRAM 1 - SURGE PROTECTOR LED INDICATOR

PATTERN	INDICATES	RESULT	NEXT STEP
	ACTIVE SURGE PROTECTION		Surge Protection is active. It is safe to plug in your RV.
	NO SURGE PROTECTION		CAUTION!! Surge protection is NOT active!

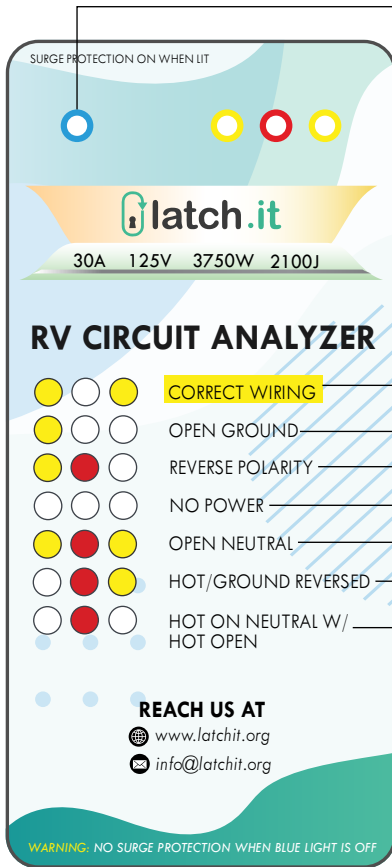


DIAGRAM 2 - WIRING LED INDICATORS

LED PATTERN	INDICATES	RESULT	NEXT STEP
	CORRECT WIRING		Plug in your RV
	OPEN GROUND		Contact RV Park Management or electrical professional to fix the power issue. Do not connect to this power source and move to another.
	REVERSE POLARITY		
	NO POWER		
	OPEN NEUTRAL		
	HOT/GROUND REVERSED		
	HOT ON NEUTRAL W/ HOT OPEN		



Any of the above faults could indicate possible mis-wiring or open connections at source which can be very dangerous. Contact a licensed professional, park staff or simply move onto the next power source and re-test location.

03

HOW TO PROPERLY OPERATE YOUR SURGE PROTECTOR

- 1 Plug in RV Circuit Analyzer to compatible 30A ~120V power source. DO NOT plug into RV yet.
- 2 Ensure LED Indicator shows Surge Protection is on (Light with Blue Ring)
- 3 Check LED Indicator lights to ensure NO wiring faults inside power source (See LED Indicator table on page 2).



If there is a wiring fault, contact park management, staff or professional to fix power source and move to another power source location.

- 4 If LED Indicator lights show both “Correct Wiring” and “Surge Protection”, then it’s safe to connect your RV.



04

Oops! Something Went Wrong... TROUBLESHOOTING

Scan with your smart phone camera to contact
LATCH.IT Support via the Official Website

www.latchit.org



Email us at info@latchit.org with any questions
or concerns, our support team is always available!

