

Surge Guard Plus

RV Power Protection
120/240V, 50A, 60 Hz

Total electrical protection for your RV. Protects your RV bumper to bumper from faulty park power. Easy to read LCD display constantly monitors and displays the condition of power being supplied to your RV.

FEATURES

- 60A full rated contactor (75A resistive) mounted on vibration isolators to ensure quiet operation.
- Over/under voltage protection. Contactor opens outside of (102-132V) range after 8-second delay.
- Over/under frequency protection. Contactor opens outside of (54-70Hz) range after 30-second delay.
- Source power connection diagnostics. Contactor will not close or will open in the event of an open line, open neutral, open ground conductor, or reverse polarity condition.
- Brown/blackout protection 2 min 15 second delay is initiated after removal of power to ensure AC compressor head bleed off. Feature can be disabled on remote.
- Bypass switch – Low Voltage between 95-102VAC and open ground faults can be bypassed by toggling the remote front panel switch to the Bypass position..

Surge Guard Features:

- 4-mode protection, 3,350 Joules
- Energy capacity – 130,000 Amps peak.
- Fuse protected L1/L2 surge suppressers.
- Plain text display (Replace Surge) of open fuses indicating a failed MOV or open surge connection.

Remote Panel Indicator:

- Continuous visual indication of source voltage (L1, L2), load current, and frequency or diagnostics.
- Plain English display of faults. No cryptic error codes.
- LCD technology with automatic light sensitive back lighting for easy reading in any ambient light condition.



Model
40240



L1 - Neut. Reading	L2 - Neut. Reading	Neutral Status	Ground Status	Ground Current	Display Example
102-132V	102-132V	(Normal)	(Normal)	(Normal)	120V 25A 118V 30A
Less Than 75V	(Normal)	(Normal)	(Normal)	(Normal)	L1 Open
(Normal)	Less than 75V	(Normal)	(Normal)	(Normal)	L2 Open
76-101V	(Normal)	(Normal)	(Normal)	(Normal)	Low Volt L1=95V
(Normal)	76-101V	(Normal)	(Normal)	(Normal)	Low Volt L2=95V
Greater than 132V	(Normal)	(Normal)	(Normal)	(Normal)	High Volt L1=135V
(Normal)	Greater than 132V	(Normal)	(Normal)	(Normal)	High Volt L2=135V
Greater than 140V	(Normal)	(Normal)	(Normal)	(Normal)	Reverse Polarity
(Normal)	Greater than 140V	(Normal)	(Normal)	(Normal)	Reverse Polarity
(Normal)	(Normal)	(Normal)	(Normal)	(Normal)	Low Freq 52Hz
(Normal)	(Normal)	(Normal)	(Normal)	(Normal)	High Freq 75Hz
(Normal)	(Normal)	Open	(Normal)	(Normal)	Open Neutral
(Normal)	(Normal)	(Normal)	Open	(Normal)	Open Ground
Open L1 Fuse	Open L2 Fuse				Replace Surge

Technology Research Corporation

(727) 530-9580 · www.surgeguard.com · 5250 140th Avenue North, Clearwater, Florida 33760 · Fax (727) 530-7375