

# ACT 450 LT Series Filter Protector

A DIN Rail Mounted Surge Protection Device



- ▶ Power Quality is more important today than ever before and that means not just any surge protector can be relied on to protect your sensitive equipment.

The ACT 450 LT Series Filter Protector is a cost effective compact design made specifically for commercial and industrial applications like Waste Water, HVAC, Refrigeration, Solar and Wind projects and Industrial Controls.

These UL 4th edition protectors are individually fused for maximum safety with a visual indicator light to show if the product is properly working.

## ▶ FEATURES AND BENEFITS

- Filter located on all modes of operation
- 7 modes of discrete protection (L-G, L-N and N-G)
- 10 modes of protection (L-N, L-G, N-G, L-L)
- Green status indicating light
- Individually fused MOV technology
- 1-year standard warranty
- Can be wired SERIES, PARALLEL and KELVIN
- 15 and 30 Amp version  
*(note: Product must be wired behind 30 Amp breaker or less to meet UL 1449)*

## ▶ STANDARDS MET

- Safety – ETL Recognized to UL1449 4th Edition
- ANSI/IEEE C62.41, C62.45
- ANSI/NFPA 70 National Electrical Code
- Filter Mil Spec Standard 220B

## ▶ 3RD PARTY TESTED

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## TECHNICAL INFORMATION

### ▶ PERFORMANCE SPECIFICATIONS

MODEL NUMBER	MODE	A1 Ring 2kV, 67A	A3 Ring 6kV, 200A	B3/C1 6kV, 3kA
<b>450-LT15-024-030</b>	L-N	58	87	176
5 - 30 VCD/VAC	L-G	48	84	167
15 Amp 30kA	N-G	48	84	167
<b>450-LT15-048-030</b>	L-N	58	123	201
5 - 50 VCD/VAC	L-G	53	111	196
15 Amp 30kA	N-G	53	111	196
<b>450-LT15-120-030</b>	L-N	91	207	486
5 - 150 VCD/VAC	L-G	55	131	433
15 Amp 30kA	N-G	55	131	433
<b>450-LT15-240-030</b>	L-N	183	325	780
5 - 300 VCD/VAC	L-G	63	257	721
15 Amp 30kA	N-G	63	257	721
<b>450-LT30-120-050</b>	L-N	91	207	486
5 - 150 VCD/VAC	L-G	55	131	433
30 Amp 50kA	N-G	55	131	433
<b>450-LT30-240-050</b>	L-N	183	325	780
5 - 300 VCD/VAC	L-G	63	257	721
30 Amp 50kA	N-G	63	257	721

### EMI/RFI Filter Attenuation - Mil Standard 220B

FREQUENCY	ATTENUATION IN dB
1 kHz	1.3
10 kHz	11
100 kHz	31
500 kHz	30
1 MHz	31
10 MHz	15
20 MHz	8

### ▶ MECHANICAL SPECIFICATIONS

Dimensions	See Drawing
Weight	Approx. 1.0 lbs
Enclosure	ABS Plastic UL94
Operating Temp	-40F to +140F -40C to +65C
Non-condensing Humidity	5% to 95%

### ▶ ELECTRICAL SPECIFICATIONS

Connection Method	Series, Parallel and Kelvin
Protection Modes (7 Modes)	L-N, L-G, L-L, N-G
Wired	#22AWG - #14AWG
Status Indicators	Green LED
Filter - Mil Std 220B	30dB @ 500kHz
100 kAIC short circuit current rating with a 15 amp max class T fuse	
15 and 30 Amp versions	

### ▶ DIMENSIONS

15 Amp	3.94"H x 1.4"W x 2.28"D
30 Amp	3.94"H x 2.80"W x 2.28"D

