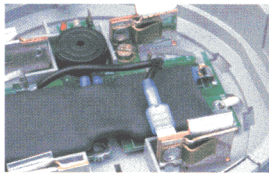
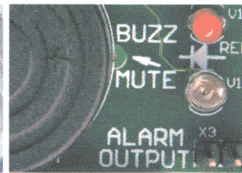


ERICO CRITEC® TVSS CIRCUITRY – Dual 45kA fail-safe MOVs provide superior first-line residential surge protection and long life.

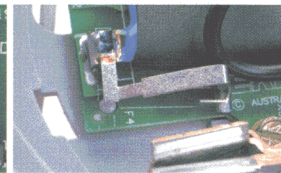
THREE MODES OF MOV STATUS INDICATION
yellow/red LEDs
local audible alert
remote AMR connection



ERICO CRITEC TVSS Circuitry



Triple-Mode Status Indication



Thermal Disconnect/Current 260A Rated Jaws Fuse Links



THERMAL DISCONNECT/CURRENT FUSE LINKS – A special spring-action disconnect link for each MOV protects against both thermal and current overload conditions.

260A RATED JAWS – Robust jaw and conductor design makes this the only MBSA suitable for use on 200A and 320A meter sockets.

LOWEST PROFILE HOUSING – Ekstrom engineered one-piece polycarbonate adapter with clear safety shield covering all live components.



patents pending
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PRODUCT SPECIFICATIONS

OPERATION

Models available	MBSA-90-4J-180 MBSA-90-5J-180
Voltage system	120/240 Vrms 1ph 3W+G
Max. continuous operating voltage	(MCOV) 180 Vrms
Input frequency	50/60Hz
Earth leakage current	<1mA
Neutral connection	Flying lead 5th Jaw

PROTECTION

Protection modes	L1-N,L2-N
Max. tested surge current	L1-N 45kA 8/20 μ s L2-N 45kA 8/20 μ s
SPD circuit description	High-energy MOV
Abnormal overvoltage isolation	Thermal disconnects and fusing
Max. fault current rating	10kAIC

PERFORMANCE

SVR (UL 1449)	500V
Cat. C1-3kA, 8/20 μ s	<600V
Cat. C3-10kA, 8/20 μ s	<950V

ALARMS AND INDICATORS

Operational status indication	Fail-safe red/yellow dual LEDs Local audible alarm Remote AMR alarm connection
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PHYSICAL DATA

Dimensions	1.25" x 8.73" OD approx. fitted
Weight	1.5lb approx.
Enclosure material	Flame-retardant polycarbonate
Mounting method	Low-profile – plugs directly into meter base
Environmental rating	NEMA-3R
Operating temperature	-4 to +176°F (-20 to +80°C)
Humidity	0 – 90%
Altitude	0 – 12,000ft
Product warranty	15 years

LISTINGS AND TEST STANDARDS

UL Listed	UL Secondary Surge Arrester
UL Listed	UL 414SA Meter Socket Adapter
NEETRAC Certified for Compliance	NEETRAC Guidelines for testing MSA SPDs
Surge Rated for Compliance	ANSI/IEEE C62.41-1991 Cat A, Cat B & Cat C

Due to company policy of continuous product development, specifications are subject to change without notice.