

ZETA THREE USER BULLETIN #19

ESD Protection Kits

(Zeta-Three, Zeta-Three "B", Zeta-Three^{em}, and Zeta-Remote)

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In certain static-prone environments, some Zeta-Three units in the field have suffered malfunctions due to the effects of Electrostatic Discharge (ESD).

An ESD "event" occurs when a person or a piece of furniture which has built up a very high static charge is instantaneously discharged through the air to another object, producing a familiar blue spark.

Characteristic symptoms of a resultant malfunction in the Zeta may be the appearance of hexadecimal characters in the Generator display, or a Transport control output becoming "stuck", or other inexplicable errors.

Recent research efforts have led to the production of a series of ESD Protection Kits, which will give the Zeta-Three an added measure of protection against excessive ESD activity.

Incorporation of these Kits into Zeta-Three's already in the field is not recommended unless ESD problems have been experienced.

The application of ESD Protection Kits has been divided into two distinct phases:

Phase 1: These kits are entirely "field-installable", and should provide the required extra protection for the majority of unfavorable ESD environments.

Phase 2: The single kit of the second phase is somewhat more difficult to install, and requires the services of a skilled technician. This kit should not be necessary unless ESD conditions are in fact quite hostile, or if ESD problems still persist after the application of the Phase 1 kits.

ESD Protection Kit Names and Descriptions

Phase 1

- ESD-Z-1 Adds ESD Protection to the Zeta-Three itself.
- ESD-R Adds ESD Protection to a Zeta-Remote and its cable.
*Kit contains a number of easily installed filters for the Remote cable.
 Disassembly of the Zeta-Remote is required, but internal modification is extremely simple.*

Phase 2

- ESD-Z-2 Component Kit for ESD Protection within the Zeta-Three.
*This kit is not for the faint at heart. Only experienced technicians should attempt installation of ESD-Z-2.
 Factory installation will be available.*

ESD Protection Kit Pricing

ESD-Z-1	[Zeta-Three (Phase 1)]	\$ 95.00
ESD-R	[Zeta-Remote]	\$ 10.00
ESD-Z-2	[Zeta-Three (Phase 2)]	\$ 5.00
ESD-Z-2F	ESD-Z-2 with Factory Installation	\$ 140.00
ESD-ZF	ESD-Z-1 and ESD-Z-2 with Factory Installation	\$ 255.00
ESD-RF	ESD-R with Factory Installation	\$ 75.00

*these 2
Kits usually
do the job.*

In the U.S., kits may be purchased from the factory.
 Outside of the U.S., consult your local distributor.