



Description & Installation

P31066 - Glitch Tamer Six

P31069 - Glitch Tamer Igniter

Glitch Tamer Six Application Note

The Glitch Tamer has two six-pair cables . . . one connects toward the central office and the other toward the field or customer end. Either cable can be in or out . . . the important thing to remember is to make sure all pairs run through the Glitch Tamer Six in the same direction.

The Glitch Tamer Six functions as a “mini-INT” (Induction Neutralizing Transformer), which means one of the pairs going through the Glitch Tamer must be grounded at the central office and at the station end of the circuit to provide a primary winding or “exciting” pair. This provides the necessary exciting current path to make the Glitch Tamer perform effectively.

If a spare (unused) pair is not available for excitation, a Glitch Tamer Igniter, TEN, Super-TEN or HDR will allow a working pair to provide the excitation. The result is that a spare pair is no longer required to be grounded at each end of a neutralized cable route.

Excitation

Excitation for the Glitch Tamer Six should be determined by the type of problem encountered. If the problem is operational and caused by an excess of 60Hz induction the Glitch Tamer should be excited using a Transformer Exciting Network (TEN - P15688) , or Glitch Tamer Igniter.

If the problem is excessive **noise**, the Glitch Tamer Six should be excited using a Harmonic Drainage Reactor (HDR - P15168).

If the problem is both 60Hz and noise, a Super-TEN (P15176) should be used for excitation. The Super-TEN combines the performance of a TEN and an HDR.

The excitation units are **bridged** to the tip and ring conductors of a working pair in the cable which serves the equipment which is to be protected. A ground must also be connected to the TEN, HDR, Igniter, or Super-TEN.

For additional information on the use of TENs, Super-TENs, and HDRs, refer to those products' application notes.

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Glitch Tamer Instruction Schematic

No polarity concern.
Cut into cable pairs
to be mitigated of
voltage interference.

