



TECHNICAL NOTE TN-974-SR

T803-02 Firmware V2.15

9 February 2005

Applicability

T803-02 Tone Remote

1. Introduction

The Problem

A customer had set up selcall confirmation to function tone commands. It was found that the T803 frequently locked up and would not respond to further commands after a time and needed to be reset to bring it back into service. TEU carried out extensive testing and replicated the problem. Based on their information, it was possible to trace and fix the software issue in the T803.

The Solution

Several states were missing from the event OnToneTimeout which occurs when a generated tone has been on (generated) for the required amount of time. As states were missing, the default action was to do nothing, and therefore the tone timer is not updated, and thus the event OnToneTimeout is never called, resulting in the alarms state machine being halted, and the current tone being continuously generated (or no tone generated).

2. Additional Information

Hardware Compatibility

Requires T803 Tone Remote/T805-08 QS PCB IPN 220-01581-04.

Software Compatibility

Can be programmed with PGM800 V4.10 or later.
(Note there will be a message stating "Warning: Firmware version is not compatible. Data read may be incorrect" when the T803 is read. This can be ignored.

User Documentation

T803-02-0000 Tone Remote and Alarm Interface Manual M803-02-002-812
T800SL2 Manual (T802-02-9000) M8SL2-00-002-812

Known Issues and Limitations

TIMS 19409 Standard HLGt detection not reliable
TIMS 20507 803 Alarm priority
TIMS 22342 Clearing Line Fail by Console keying-sequence clears confirmation Pip
TIMS 24336 Simoco/Philips Sliding Tones are not functioning correctly.
TIMS 32331 The unit is Falsely Keying up the Transmitter when in 2-wire Mode
TIMS 25713 T803-02 transmitter audio routing
TIMS 11759 Ping noise heard on the transmit path when system has high keytone level
TIMS 12212 T803 Audio output muted with 2 wire operation.

For additional information on these issues and how they may affect

system operation, see TN-972.

Compliance Issues None

3. Issuing Authority

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of Issuing Officer** Jeff Northcott
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