



Technical Note TN-714

TA 703-01 Firmware Upgrade

23 May 2002

Applicability

TA703-01-0xxx Change Over Module for T800 base station

Firmware Update

The TA703-01-0xxx Change Over Module system provides automated failure protection for Tait T800 base stations.

One of the mechanisms used to detect a base station failure has caused problems for some customers. Mute signals from the active and standby base stations are polled. In the existing firmware, an alarm activates after consecutive samples indicate discrepancies between the mutes of the two T800 receivers. In situations where very low signal strengths are received, it is typical for one receiver mute to open while the other is closed – even when both receivers are functioning correctly.

A modification has been made to the firmware to reduce the number of 'false alarms' caused by this situation. In the new firmware, a mute alarm will only be generated after three consecutive mute errors occur. A mute error occurs each time both mutes are closed, and then one mute opens while the other remains closed for longer than one second. The mute error count will be reset if the delay between mute activations is less than one second.

The firmware version has changed from 0703a531 to 0703a532. This change is effective immediately.

The TA703-01-0xxx Technical Manual will be updated accordingly.

Compliance

The TA703-01-0xxx does not have compliance certifications.

CSO Instruction

If existing TA703-01-0xxx users reorder new units, please advise that the firmware has been changed.

Name and position of issuing officer

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