

TRC 7700

High security encrypting telephone



- Very high security
- Digital encryption of telephone communications by simply pressing one function key
- Secure communications in full duplex mode
- Easy operation

- The TRC 7700 ensures digital encryption of telephone communications.
- The TRC 7700 is the efficient, economical and universal way to secure your-day-to-day business communications.
- The TRC 7700 has been designed to be as easy to use as any standard telephone. With the highest security level available today, the TRC 7700 provides the user with all the conveniences found in a modern VIP telephone and is fully programmable.
 - 100-number memory
 - last number automatic redialing
 - speeddialing using 2-digit short numbers
 - loudspeaker
- display of correspondent's name when connecting
- status display in five languages
- tone or pulse dialing
- Going-to-crypto is fully automatic, simply by pressing one function key. Crypted communications are transmitted in full duplex mode. Up to 16 keys can be stored in memory, meaning that the user can define up to 16 different «encrypted correspondents» networks. An automatic network key mode is also available.
- The whole encryption process is digital. An interceptor would only hear a continuous «hiss», technically called «digital white noise», with no possibility of deciphering even with the most sophisticated equipment.

TRC 7700

General

Network connection	Standard 2-wire telephone lines
Clear communications	Full duplex
Crypto communications	- Full duplex (high data rate) - Automatic fallback to low rate and half duplex mode in case of poor-quality channels
Voice digitization	- Very high quality digitization, allowing to recognize the correspondent's voice at a rate of 5.2 kbits/s - Poor-quality line digitization at a rate of 2.4 kbits/s
Memory	- Last dialed number - 100 20-digit numbers associated with 16-letter name field - 16 32-digit secret keys stored - Alphabetic sorting
Display	LCD display on 2 lines of 40 characters
Environment	Operating 0° C to + 50° C Storage - 20° C to + 70° C
Power supply	100 V 50 Hz, 120 V 60 Hz, 220 V 50 Hz, 240 V 50 Hz
Dimensions	Width 250 mm Depth 200 mm Height 110 mm

Keypad operation

Dialing keypad	Direct dialing Last number automatic redialing 2-digit speed-dialing (sored in memory) Directory Alphanumeric data entries Tone or pulse dialing
Function keypad	Clear/crypto control Key introduction Function programming

Cryptology

Encryption process	- Digital, non linear ; specific private built-in algorithm on request - Combination of up to 10 ⁷⁵ algorithms
Encrytion key	quantity 16 Key length 32 digits number of possible combinations 10 ³²
Message key	Automatically changed at every crypto transition Key length 64 bits number of possible combinations 10 ¹⁹



*Anywhere in the world
access to secure communication*

THALES

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