

Remote Administration



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TRACKER 2720 & 2730 SECURE ACCESS MODEMS



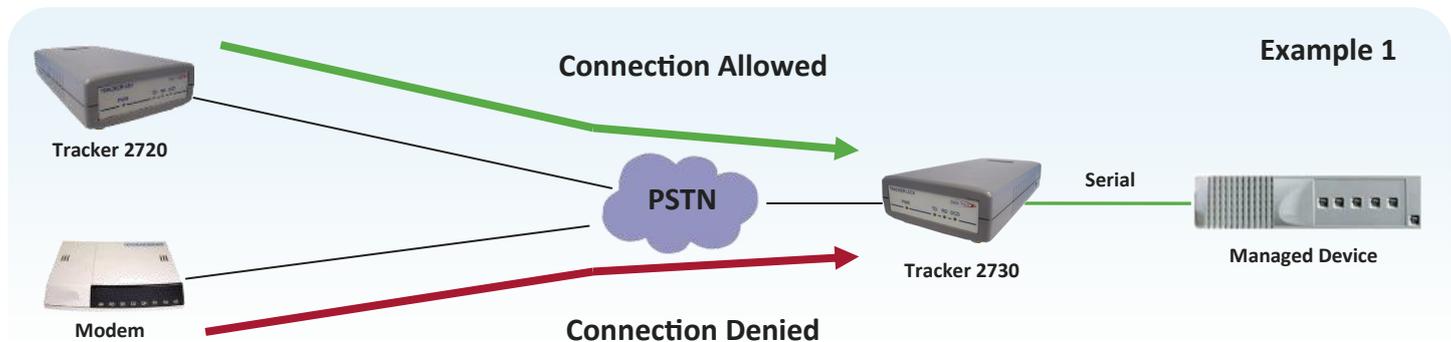
Totally secure dial-up access
Encrypted challenge & response
No special software required
Easily integrated with existing systems



The Tracker 2720 'Key' and 2730 'Lock' provide secure access to a remote serial device over a standard dial-up connection. An encrypted secret and AES technology are used to provide a unique challenge/response to incoming calls. The AES algorithm used within the products has been tested and security approved by the NSA for use by the US Department of Defense. The products themselves have received **Information Assurance Accreditation** from the US Defence Information System Network (DISN) Security Accreditation Working Group.

THE PROBLEM

Providing a standard modem to access a remote device can raise serious security concerns, especially if the device is connected to a corporate LAN. Many devices use a simple password to protect access, but these could be publicised and not routinely changed. This level of protection is unlikely to satisfy an increasingly security conscious market. The Tracker lock and key combination solves this problem.



THE SOLUTION

The Tracker 2720 'key' is connected to the central site computer or engineer laptop. It is programmed with an encrypted secret key and a unique ID. It acts as an ordinary modem, so requires no special software.

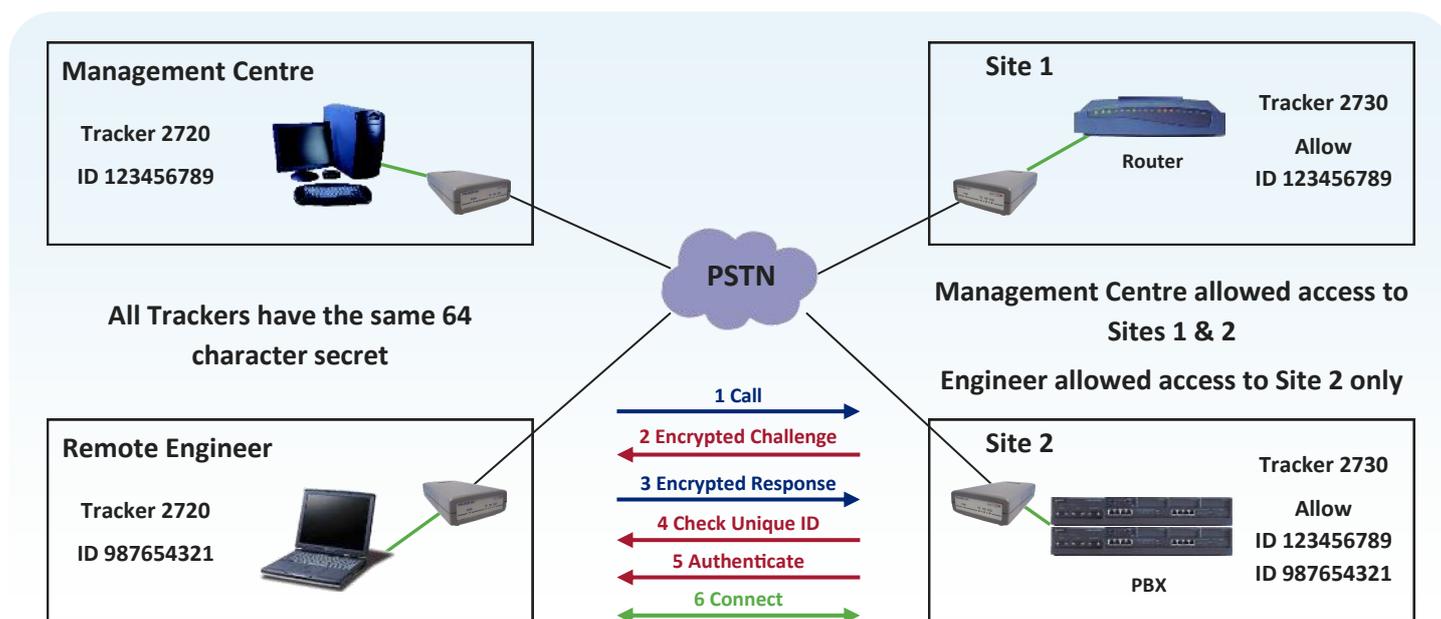
The Tracker 2730 'lock' is connected to the remote device and is programmed with an encrypted secret key.

If a call is made to the remote device, the Tracker 2730 'lock' answers the call and issues a unique challenge. It is impossible to respond to the challenge unless you have a correct key. The Tracker 2730 will issue a response to the challenge. If both Trackers are using the same secret then stage 1 of the authentication will pass. In stage 2, the Tracker 2730 'lock' checks the unique ID of the calling Tracker 2720 'key' against its previously configured Access and Deny lists. If it is allowed access, the caller is connected to the device. All of this takes place across the phone line between the two Trackers; it is totally transparent to the user.

The Access and Deny lists in the Tracker 2730 'lock', together with the unique ID in the Tracker 2720 'key', enable groups of engineers or customers to be granted access to individual devices. It also allows lost keys to be denied.



Example 2 - Managing multiple sites and multiple users with the Tracker



THE SECRET

An encrypted secret is programmed into each Tracker Lock and Key. These can be supplied as:

- A Data Track standard secret
- A unique, organisation specific secret programmed by Data Track
- A blank secret that an organisation can change to a unique secret, known only to itself

In order to authenticate, the Tracker Lock and Key must share the same secret; there are billions upon billions upon billions upon billions of combinations. The challenge utilises the Advanced Encryption System (AES) algorithm, which is approved by the NSA for use by the US Government for classified information.

SIMPLE INTEGRATION

The Tracker Lock and Key solution can be easily integrated into your existing management system; it requires no special software or user training. So you can provide secure dial-up access that will meet the requirements of the most security conscious customers and result in a rapid return on your investment.

PHYSICAL & ELECTRICAL SPECIFICATIONS

Unit Size: Width 80 mm x Height 30 mm x Depth 150 mm.
Weight 200 grams

Power: +5v DC supplied by external AC adapter



Designed to work on all European Union and North American PSTN networks.

Data Track is an ISO 9001:2000 quality certified company.

