

WIRELESS TELEPHONE SYSTEM



TECHNICAL DATA SHEET

CS100 Wireless Telephone System

CS100

CS100 is an easy to install, low cost, wireless telephone solution designed to suit the requirements of the modern business user. It is designed for a small number of users (eight) and uses "repeaters" to extend the cover area. The system eliminates the need for expensive cabling and associated interruptions to a business. Repeaters also ensure coverage in even the most remote sites or areas of the installation location. When used with the FuturePhone 70 it provides all the standard features of a digital desk telephone.

The CS100 System allows up to 8 wireless telephones to be connected, covering an area of up to 300 meter radius from where it is placed. Furthermore the system easily connects to the analogue ports on the existing telephone system.

Up to 6 repeaters can be used with a maximum of 3 of the repeaters 'daisy chained' to extend the coverage area. As you move outside the range of the base unit, the call will be handed over to the repeater so that the call doesn't get dropped.

A computer is NOT required to run the CS100 system, although system administration software is supplied and recommended. As this simplifies system administration handsets can be logged into the system using the 'Master' telephone, which is configured during installation.

Features

- Encrypted and secure technology
- Up to 8 Analogue lines connected to PBX
- Supports Up to 8 FuturePhones from a single system
- Up to 6 Repeaters may be used to provide extensive coverage

Functions

- DTMF transmit and Single tone receive
- DTMF receive and Single tone transmit (Option)
- Echo cancelling
- Echo suppression
- Pulse generating
- Ringing detection
- Floating ground

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SPECIFICATION

Technology:	DECT & Frequency hopping spread spectrum
FCC Approvals:	FCC Part 15
Frequency Range:	2.4 - 2.4836 GHz
Radio Controller Power:	110/120V AC
Operating Temperature:	32°F to 122°F 0°C to + 50°C
PABX Interface:	2 Wire 8-Port analogue interface

Size:	9.3 in. length x 9.3 in. height x 1.6 in. depth (233 mm x 233mm x 45mm)
Power Requirements:	110/120V AC
Power Consumption:	1.1 watts
Radio Transmission Power:	250mW
Radio Speech Channels:	4 max. (duplex)
Diversity Antenna:	Internal fixed antenna
Transmission:	144Kbit duplex 2B + D/4 4 x 32 bits
Range:	Up to 300 meters line of sight
System Capacity:	8 telephones
Weight::	5.3 oz

Repeater Base Station

Maximum Number:	6
Power Requirements:	110/120V AC within 2 meters
Power Consumption:	1.5 watts
Radio Transmission Power:	250mW
Radio Speech Channels:	2 max. (duplex)
Radio Antenna:	Internal diversity
Transmission:	144Kbit duplex 2B + D/4 4 x 32 bits