

# DUOTEL

## TWO PORT TELEPHONE EXCHANGE SIMULATOR



- **Two ports**
- **Unique number for each port**
- **Line looped indication for each port**
- **Tone dialling**
- **Produces dial, busy and ring tones**
- **Mains powered on indication**

Duotel is a two port exchange simulator, which allows calls to be established between the two ports. Each port has its own unique number which can be dialled from the other port to produce a ring signal.

Duotel provides a cost effective and simple means of testing products that connect to a telephone line, without the need to tie up any PBX extensions or external lines. The compact design of Duotel makes it convenient to transport and is ideal for demonstrations and sales presentations.

# FEATURES

## EASY TO USE

Duotel is simple to use making it ideal for demonstrations and sales presentations. Simply plug the telecom apparatus into the ports and dial the port number to make the call.

## COMPACT DESIGN

Duotel is the size of a hardback book and fits easily into a briefcase or toolbox. This means that it can always be available when required.

## DUAL DIAL TONES

In the UK when some Network Services are in use, a different dial tone is used to warn the user. Port 1 of the Duotel features the standard dial tone and Port 2 features the second dial tone. This is useful for testing auto-diallers.

## MULTIPLE RING CADENCES

Increasingly, network operators are using different ring cadences for new supplementary services. BT's Callsign™ is an example, where a user can have two numbers on one line. Duotel provides the different ring cadences to enable quick testing of telecom products to see if they respond to this.

## MULTIPLE SOCKETS

Duotel is supplied with BT to RJ socket converters. This means that different telecom apparatus can be easily plugged in for testing without having to make special cables etc.

# SPECIFICATION

## FEED CONDITIONS

DC VOLTAGE 24 V

### RINGING

VOLTAGE 70 V rms  
FREQUENCY 25 Hz  
CADENCE #1 400 mS ON, 200 mS OFF,  
400 mS ON, 2000 mS OFF  
CADENCE #2 1000 mS ON, 2000 mS OFF  
CADENCE #3 250 mS ON, 250 mS OFF,  
250 mS ON, 1750 mS OFF  
CADENCE #4 400 mS ON, 800 mS OFF  
CADENCE #5 2000 mS ON, 4000 mS OFF

## EXCHANGE TONES

FREQUENCY 400 Hz  
LEVEL -25 dBm ± 4 dB

## DIAL TONE

TYPE 1 CONTINUOUS  
TYPE 2 750 mS ON, 750 mS OFF

## BUSY CADENCE

375 mS ON, 375 mS OFF

## ATTENUATION

10 dB Port to Port

## STONE DIALLING

TIME > 60 mS  
ACCEPT FREQUENCY ± 1.5%  
REJECT FREQUENCY ± 3.5%

## TOLERANCE

unless otherwise specified

FREQUENCY ± 10%  
TIMING ± 10%  
VOLTAGE ± 10%  
LEVEL ± 3 dB

## POWER

MAINS 230 V, 50 Hz, 50 mA

## DIMENSIONS

HEIGHT 50 mm  
WIDTH 170 mm  
DEPTH 120 mm  
WEIGHT 650 g

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