



ADVISOR[®]

RD 6203

Installation Manual

Software version: from V6.0

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INSTALLATION INSTRUCTIONS

GENERAL INFORMATION ON USING RD6203

The RD6203 complies to the NTR3 standard for the UK and the TTE1 standard for Ireland (RD6203S1) for the following usage:

- Automatic dialling
- Multiple repeat attempts
- DTMF

The RD6203 is also capable of the following:

- Automatic call initialisation
- Operation absence of proceed indication
- Automatic answering
- Serial connection

Usage other than the approved usage or failure to comply with the installation and programming instructions may invalidate any approval given to the apparatus if, as a result, the apparatus ceases to comply with the standards against which approval was granted.

GENERAL INFORMATION ON INSTALLING RD6203

The RD6203 Upload/Download Digital Communication can only be installed by a professional installer.

This communicator is designed to be connected to the following types of telephone line:

- Direct exchange lines (PSTN) supporting DTMP (tone) or Loop Disconnect (pulse) dialling
- PABX exchanges
- RBS (Relevant Branch Systems)

but is NOT to be connected as an extension to a payphone (or to 1+1 carrier systems).

RESPONSIBILITY FOR CONNECTING TO THE PUBLIC SWITCHED TELEPHONE NETWORK (PSTN)

Hard-wiring to the master socket or extension sockets provided by the network provider is strictly prohibited, unless the master socket is of type NP5. An application form requesting hard-wiring to the master socket, by the PSTN company, is provided as part of the installation kit.

RESPONSIBILITY FOR CONNECTING TO THE PUBLIC SWITCHED TELEPHONE NETWORK (PSTN) VIA A PABX SYSTEM

The person responsible for connecting the RD6203 to a PABX system is as follows:

1. If the wiring is owned by the PSTN company, then the company is responsible.
2. If the wiring is not owned by the PSTN company, then either:

- the PTSN company
- the authorised maintainer
- a professional installer after 14 days written notice to the authorised maintainer

INSTALLING THE RD6203

Creepage and clearance distances

The plastic cover helps to maintain the creepage and clearance distances. However, if there is any doubt the installer must obtain advice from a competent telecommunications safety engineer. The RD6203 must be installed so that, with exception of the host bus connector, clearance and creepage distances shown in the table below are maintained between the relevant terminal equipment and all other parts of the host including any expansion cards which use or generate a voltage shown in the table below. The creepage distance shown in brackets applies where the local environment within the host is subject to conductive pollution or dry non-conductive pollution which could become conductive due to condensation.

Clearance (mm)	Creepage (mm)	Voltage used or generated by host or other cards
2.0	2.4 (3.8)	Up to 50 Vrms or Vdc
2.6	3.0 (4.8)	Up to 125 Vrms or Vdc
4.0	5.0 (8.0)	Up to 250 Vrms or Vdc
4.0	6.4 (10.0)	Up to 300 Vrms or Vdc

Table 1. Creepage and clearance distances

If the host or other expansion cards fitted in the host use or generate voltages greater than 300V (rms or dc), advice from a competent telecommunications safety engineer must be obtained before installing the RD6203.

Plastic cover

The plastic cover must be removed for wiring. After wiring has been completed, and before connection to the network, the plastic cover must be replaced securely. Failure to comply with this instruction will cause approvals to be invalidated.

Telephone network - RD6203 connection via terminal connections 'A' 'B' 'BC'

Hard wiring, to the master socket, is recommended for security reasons (telecom engineer only). If the RD6203 is to be connected via a plug at the master or secondary socket, then the plug should not be inserted until the installation is complete.

UK:

The connection terminal marked 'A' should be connected to pin 2 of the master (secondary) socket or the plug. The connection terminal marked 'B' should be connected to pin 5, and 'BC' connected to pin 3 (see Figure 4).

Ireland:

The connection terminal marked 'A' should be connected to pin 3 of the master (secondary) socket or the plug. The connection terminal marked 'B' should be connected to pin 4, and 'BC' connected to pin 5 (see Figure 4).

Connecting a telephone to the RD6203 via terminal connections 'C' 'D' 'BC'

A telephone can be connected to the telephone line also, if necessary. This should be implemented by wiring a secondary socket from terminals 'C' 'D' 'BC' and connecting the telephone(s) by plugging into this secondary socket. See Ringer Equivalence Number below for maximum number of apparatus that may be connected to an exclusive line.

UK:

The connection terminal marked 'D' should be connected to pin 2 of the secondary socket. The connection terminal marked 'C' should be connected to pin 5, and 'BC' connected to pin 4 (see Figure 4).

Note: Serial connection is not tested by the NTR3 standard and cannot be guaranteed.

Ireland:

The connection terminal marked 'D' should be connected to pin 3 of the master (secondary) socket or the plug. The connection terminal marked 'C' should be connected to pin 4, and 'BC' connected to pin 5 (see Figure 4).

Connecting telephones in parallel with the RD6203

For security reasons it is recommended that NO apparatus are connected in parallel with the RD6203. If a telephone is connected in parallel, then bell tinkle will occur during dialling.

Apparatus which is not approved to BS6301 or EN41003 should not be connected to A B BC D. Failure to adhere to this requirement can produce hazardous conditions on the telephone network.

Advice should be sought from a telecom telephone engineer if in any doubt regarding connection to these terminals.

Ringer Equivalence Number (REN)

The REN associated with an apparatus is effectively a loading penalty on connecting the said apparatus to the PSTN. The sum of the REN values for all apparatus connected to an exclusive line should not exceed 4.

It is no longer specified under NTR3.

Series Equivalence Number (SEN)

The SEN is the portion of the maximum allowable impairment which is taken up by the series connection facility.

It is no longer specified under NTR3.

MOUNTING THE RD6203 COMMUNICATOR IN A HOST

Restriction of access

The RD6203 has been designed as a host independent modem. Consequently, the RD6203 must be housed inside a host (meeting the EC LVD) which provides both restricted access (i.e. a screwdriver is required to gain access to the RD6203) and an earth connection.

A host failing to meet these specifications will invalidate approvals.

Refer to figure 3 for mounting in the CD61 series and figure 4 for mounting in the CD91 series.

Host power supply

The user must ensure that the power drawn by the RD6203, together with the host and any auxiliary terminal equipment drawing power from the host, is within the rating of the host power supply.

RD6203 power requirements

13.7 V \pm 3 V

Quiescent current 45 mA

Active current 95 mA

Refer also to open collector outputs for current requirements.

Open collector outputs '1' and '2'

Each open collector output, powered from the +12 V fused output, should not be allowed to sink more than 50 mA from its associated load. Consequently, the minimum load impedance should be 110 ohms.

RD6203 fuse

The RD6203 has a +12 V fused output, the fuse being a 315 mA quick blow 20 x 5 mm.

OVERVIEW OF DIALLER MOUNTING

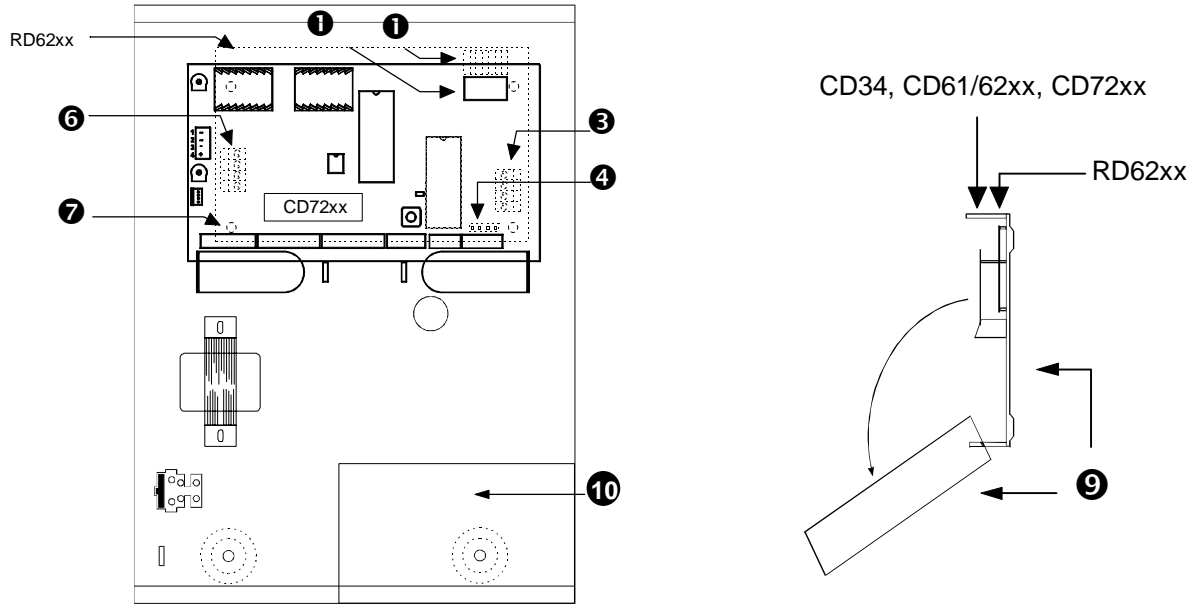


Fig. 1 CD3403, CD6103, CD6203, CD7203 panel

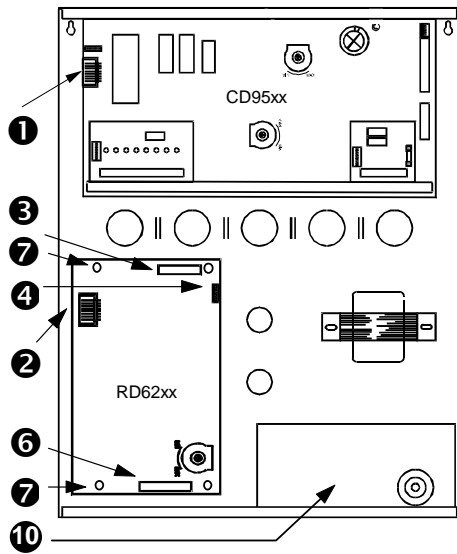


Fig. 2 CD9103, CD9503 panel

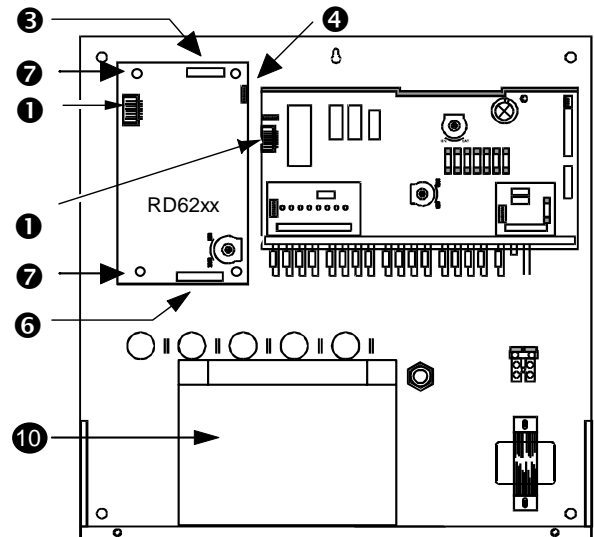
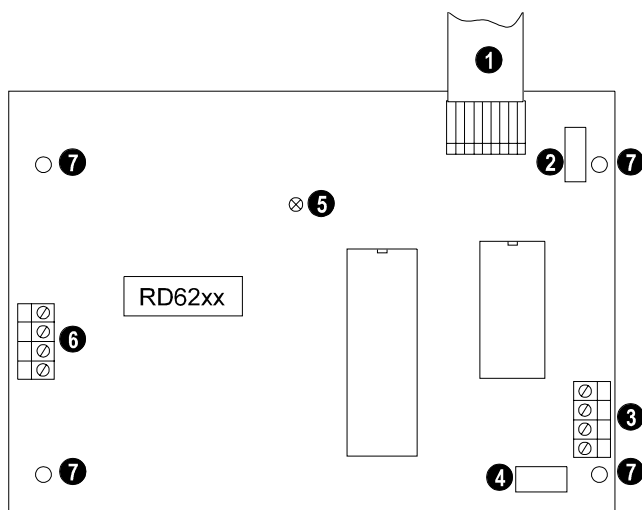
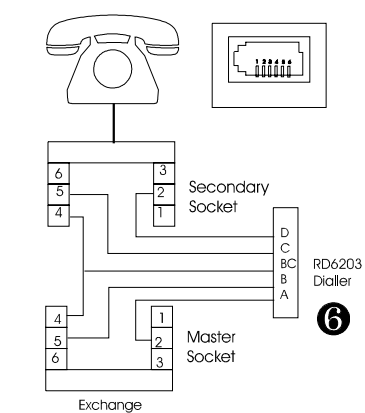


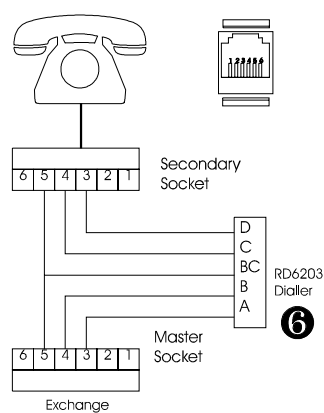
Fig. 3 CD14803, CD15003 panel



No.	
1	Colour ribbon cable from panel.
2	Fuse: 315 mA / Fast.
3	Outputs. Always connect the earth cable.
4	Voice Module connection.
5	Red LED.
6	Telephone Line connection.
7	Holes for the provided mounting studs.
8	Mounting stud.
9	Backwall of panel housing.
10	Battery.



RD6203 connections for connection to the UK Telephone Network



RD6203 connections for connection to the Irish Telephone Network

Fig. 4 RD6203

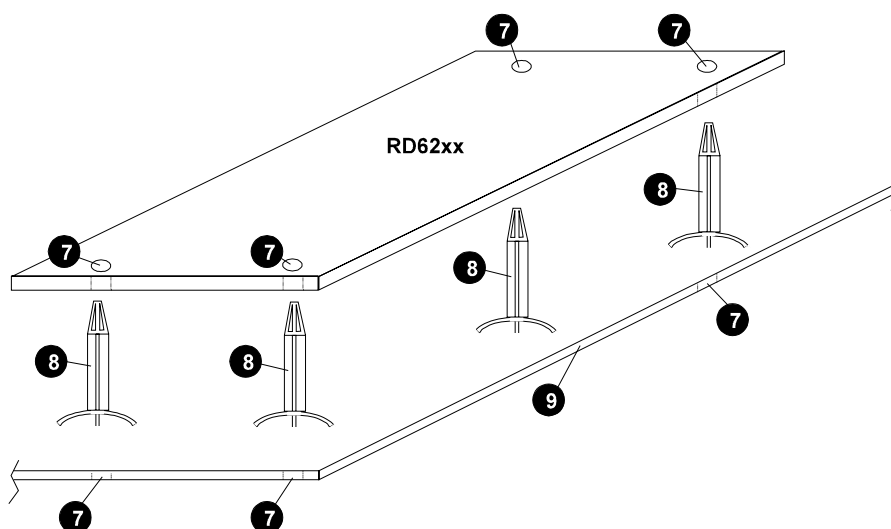


Fig. 5 RD6203 mounting studs

PROGRAMMING MENU

ATTENTION!

!

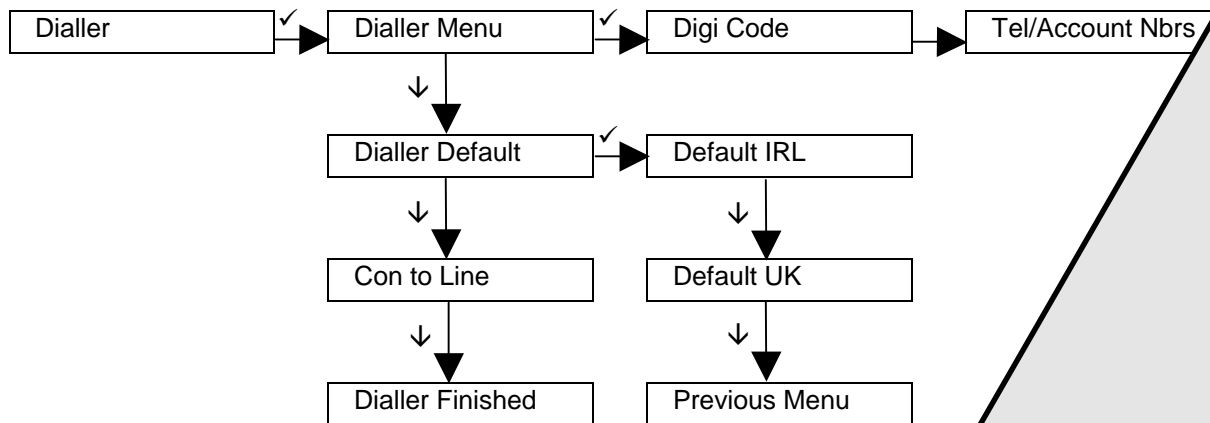
Version V6.0 diallers may be used with the CD range of control panels using version V5.x or V6.0 software.

TO ENSURE CORRECT OPERATION

Regardless of the panel software version, always default the dialler before programming.

Note: If the dialler is defaulted to version 6, version 5 panels will not be able to default the dialler.

DIALLER MENU PROGRAMMING MAP



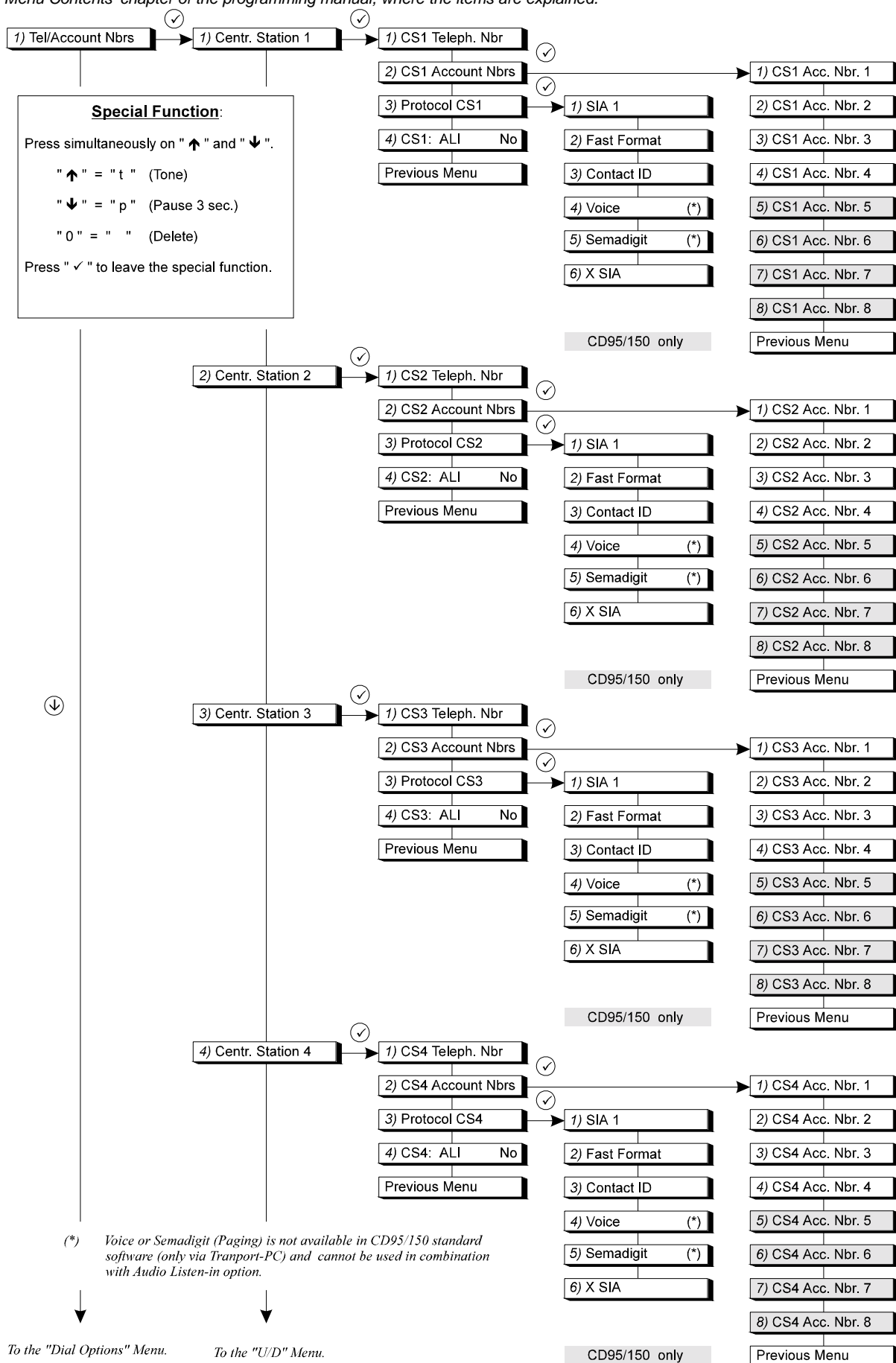
TECHNICAL DATA

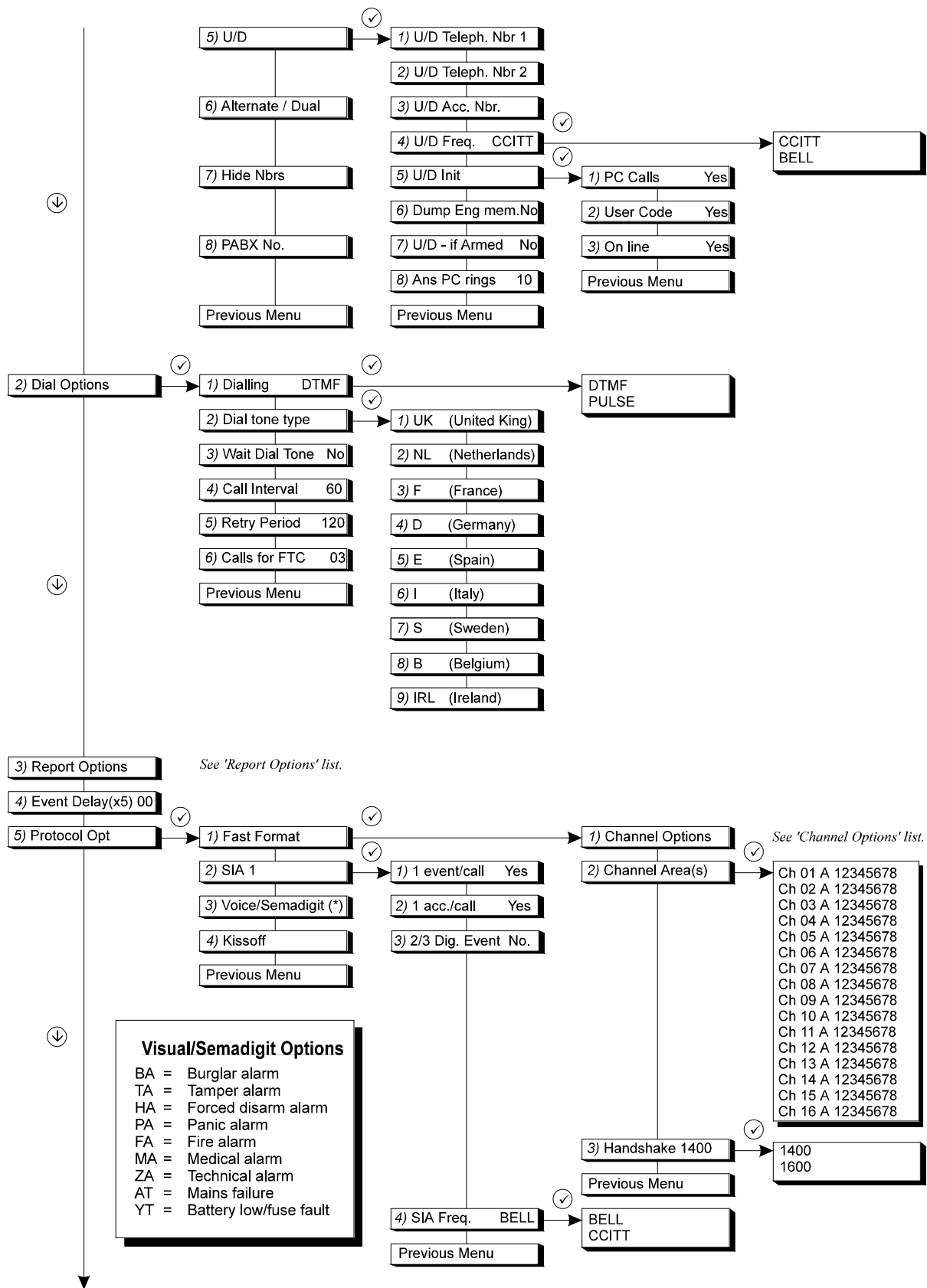
British Telecom certified	Ref.: NS/2800/2/3/855555
Supply Voltage	13.8V dc via ribbon cable (CP4007-5 Panel
Current Consumption	
Quiescent	45 mA
Active	95 mA
Inputs	Via ribbon cable (CP4007-5
Outputs	12V / 315mA - fused 2 open collectors - 5V
Operating temperature	- 10°C to + 50°C
Programming	<ul style="list-style-type: none"> • Via Control Panel • Via Upload/Download

CE The RD6203 conforms to the EMC 89/336

PROGRAMMING MAP

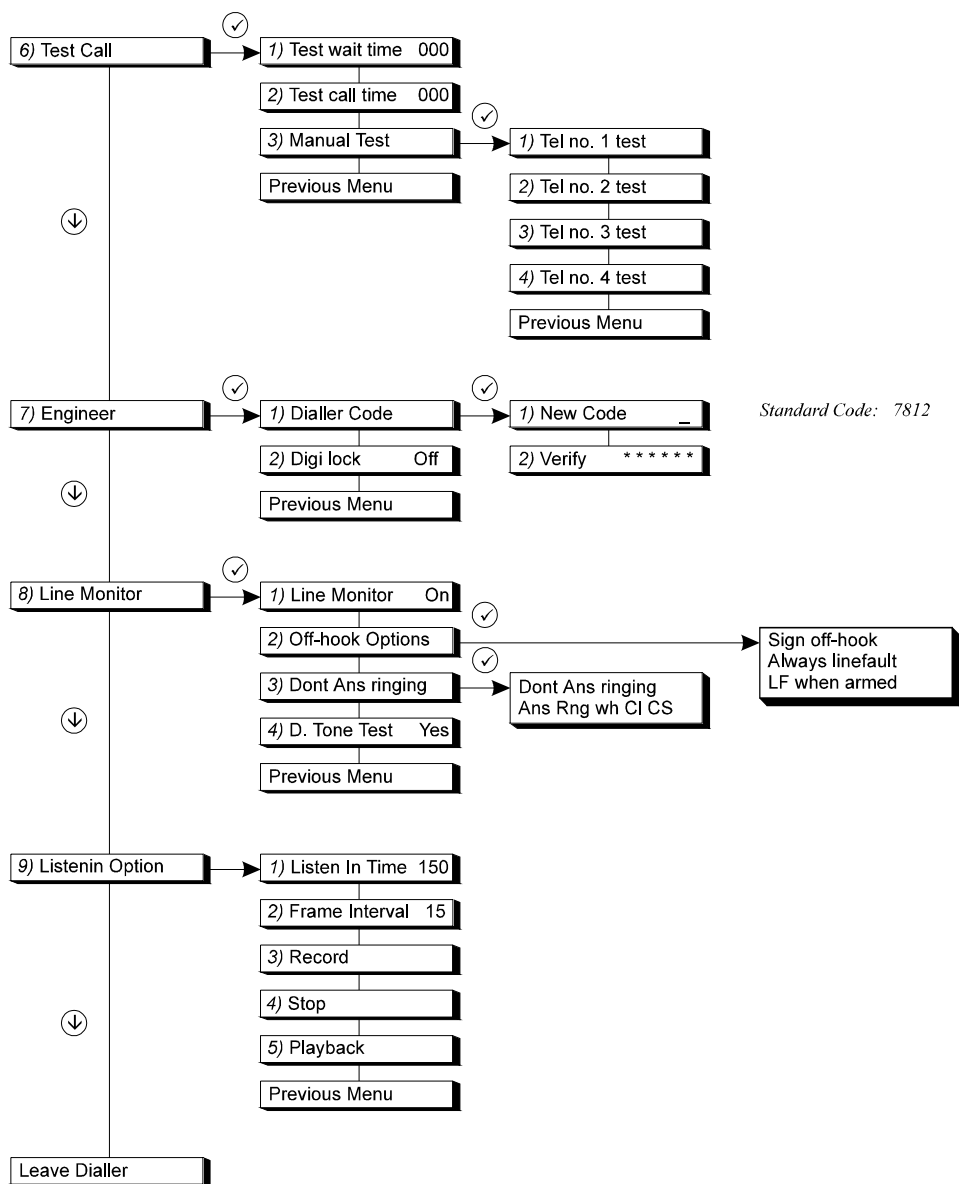
Note: The quick code numbers in front of each menu item (i.e. 1.1.3.5 to jump to Semadigit) are also the section heading numbers in the 'Menu Contents' chapter of the programming manual, where the items are explained.





To the "Test Call" Menu.

(*) Voice or Semadigit (Paging) is not available when Audio Listen-in equipment is installed.



REPORT OPTIONS LIST

No.	SIA	Description	Report options	Delay Y/N	ALI Y/N	Channel Options	Message Semadigit
1.	BA	Burglar Alarm	1, 2	N	Y	3	132 1
2.	BR	Burglar Alarm Restore	1, 2	N			132 3
3.	BB	Alarm Zone Bypassed (Inhibited)		N			573 1
4.	BU	Alarm Zone Unbypassed		N			573 3
5.	TA	Tamper Alarm	1, 2	N	Y	3	137 1
6.	TR	Tamper Alarm Restore	1, 2	N			137 3
7.	TB	Tamper Zone Bypassed (Inhibited)		N			570 1
8.	TU	Tamper Zone Unbypassed		N			570 3
9.	HA	Holdup Activation (Duress)	1, 2	N	Y	2	121 1
10.	HR	Holdup Restore (Duress)	1, 2	N			121 3
11.	PA	P.A. Activation	1, 2	N	Y	2	122 1
12.	PR	P.A. Restore	1, 2	N			122 3
13.	FA	Fire Alarm Activation		N			110 1
14.	FR	Fire Alarm Restore		N			100 3
15.	FB	Fire Zone Bypassed (Inhibited)		N			571 1
16.	FU	Fire Zone Unbypassed		N			571 3
17. *	MA	Medical Alarm Activation		N			100 1
18. *	MR	Medical Alarm Restore		N			100 3
19.	ZA	Technical Zone Alarm Activation		N			150 1
20.	ZR	Technical Zone Alarm Restore		N			150 3
21.	BC	Burglar Alarm Activation Cancelled (Aborted)		N			406 1
22.	CE	Closing Time Extended		N			405 1
23.	CF	Forced Closing (Arming)		N			409 3
24.	CG	Close Partguard Area		N			401 3
25.	CL	System fully armed by code (Closing)		N			401 3
26.	CP	System automatically armed by timer		N			403 3
27.	OA	System opened by timer (Disarmed)		N			403 1
28.	OP	System opened by code or keyswitch(Disarmed)		N			401 1
29.	OR	Disarm from alarm		N			401 1
30.	OT	Late to close (system not armed on time)		N			404 3
31.	OK	Opened early		N			401 1
32.	LB	Local programming Begin		N			300 1
33.	LS	Local programming Successful		N			306 1
34.	RB	Remote programming Begin (Up/Downld)		N			411 1
35.	RS	Remote programming Successful (Up/Downld)		N			412 1
36.	RU	Remote programming Unsuccessful (Up/Downld)		N			413 1
37.	RP	Automatic test call		N			602 1
38.	RR	System power restored (Full power up)		N			305 1
39.	AR	AC Restored (Mains)		N			301 3
40.	AT	AC Fail (Mains)		N			301 1
41.	YR	System/Battery trouble Restored		N			302 3
42.	YT	System/Battery trouble Fail		N			302 1
43.	YC	Failure To Communicate (between control & dialler)		N			350 1
44.	YS	Communications Trouble (Line fault prev. Xmis)		N			354 1
45.	ER	Zone Expansion fault cleared		N			333 3
46.	ET	Zone Expansion fault cleared		N			333 1
47.	EE	Exit Fault		N			134 3
48.	JS	Schedule Changed		N			
49.	WP	Walk test Pass		N			607 3
50.	WF	Walk test Fail		N			607 1
51. #	BV	Alarm Confirm activation	1, 2	N	Y	7	132 1
52. #	BW	Alarm Confirm restore	1, 2	N			132 3

* available for non-ACPO countries only

available for ACPO countries only

