THANK YOU FOR VOTING TEXECOM

INSTALLATION MANUAL

Premier Com ISDN

Digi-modem

Issue 3

CE

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Contents

1. Regulatory Requirements 3

General 3

Approval 3

2. Overview 4

General 4

Digimodem Features 4

ComISDN Layout 5

Operation 6

Communicator Operation 6

Modem Operation 6

3. Installation 7

Plugging on the Digimodem 7

ISDN Line Connections 8

Setting up the Com Ports 8

Programming the *ComISDN* 9

Testing 9

Testing the Communicator 9

Testing the Modem 10

Using a PC for local Upload/download 10

4. Specifications 11

Electrical 11

Environmental 11

Physical 11

Standards 12

Warranty 12

1. Regulatory Requirements

General

The *Premier ComISDN* digimodem must be installed by an electrically competent person. Before attempting to install the digimodem, the installer must be aware of the regulatory requirements detailed in this section.

The digimodem is suitable for connection to the following types of telephone line:

- Integrated Services Digital Network (ISDN)

Approval

The *Premier ComISDN* digimodem is manufactured to meet all European Area telecommunication network requirements. These devices have been approved for use with Council Decision 97/346/EEC for pan-European single terminal connection to the Integrated Services Digital Networks (ISDN). However due to differences between the individual ISDNs provided in different countries, the approval does not in itself give unconditional assurance of successful operation with every ISDN network termination point.

In the event of problems, you should contact Technical Support at Texecom Ltd.

The *Premier ComISDN* digimodem has been approved for the following usage:

- Automatic Call Initialisation
- Automatic Dialling
- Modem
- Multiple Repeat Attempts
- Line Status Monitoring

Any other usage will invalidate any approval given to the devices and as a result the devices will cease to comply with the standards against which the approval was granted.

2. Overview

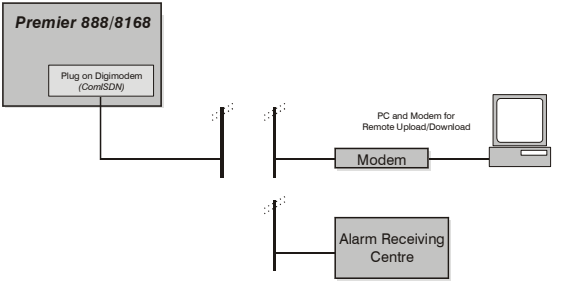
General

The *Premier ComISDN* digimodem is compatible with the *Premier* series of control panels:

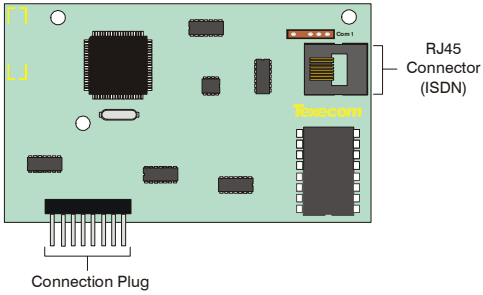
The digimodem is connected to the control panel via an 8-pin connector located at the top right hand corner of the control panel. An RJ45 connector is also provided to connect the digimodem to an ISDN telephone line.

Digimodem Features

- 8 channel multi format digital communicator supporting Fast Format, Contact ID, SIA Level II and EasyCom Pager protocols
- 6 Alarm Receiving Centre telephone numbers (up to 24 digits each)
- Fully programmable reporting codes (Contact ID & SIA Level II only)
- 300-baud modem for uploading and downloading control panel information over a standard telephone line using the *Wintex UDL* software and a PC
- 19200-baud modem for uploading and downloading control panel information over an ISDN telephone line using the *Wintex UDL* software and a PC



ComISDN Layout



RJ45 Socket (ISDN)
Direct connection for ISDN telephone line (see page 8 for wiring details).

Connection Plug
Plugs into digimodem socket on top right hand corner of control panel.

Operation

The digimodem can be used to report system events to a Central Monitoring Station (using Fast Format, Contact ID or SIA Level II) or to upload/download control panel information using the *Wintex UDL* software and a PC.

In order to use the digimodem for uploading and downloading control panel information you will require a PC with Windows 95, 98 or NT a modem that supports V.21, V.22 or V.22bis operation.

To obtain your copy of the *Wintex UDL* software, please complete and return the Software Registration form enclosed with the *Premier ComISDN*.

Communicator Operation

When a reportable system event occurs, the digimodem will seize the telephone line and dial the telephone number for the Alarm Receiving Centre, once the receiver answers the call the following sequence of events will occur.

- The digimodem will send a handshake signal
- If the handshake signal is acknowledged, the digimodem will report the event to the Alarm Receiving Centre using Fast Format, Contact ID or SIA Level II

  NOTE If the handshake signal is not acknowledged, the digimodem will shut down and attempt to dial another telephone number.
- Once the event has been successfully reported to the receiver, the receiver will send back an acknowledgement signal and the digimodem will shut down. The digimodem will then return to its normal mode

Modem Operation

The digimodem will monitor the telephone line for an incoming ringing signal, once the ringing signal is detected the following sequence of events will occur.

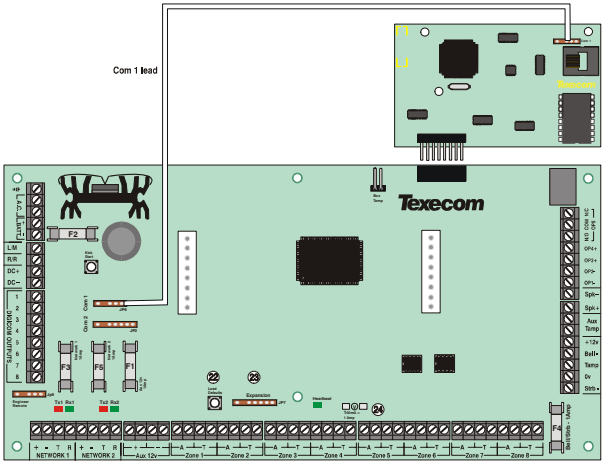
- The digimodem will pick up the telephone line and establish a connection with the remote computer
- Once the connection is established, the remote computer can be used to upload data from the control panel or download data from a PC
- Once the remote computer has finished uploading/downloading, it will tell the digimodem to go hang up. The digimodem will then return to its normal mode

3. Installation

Plugging on the Digimodem

➤ To install the digimodem, proceed as follows:

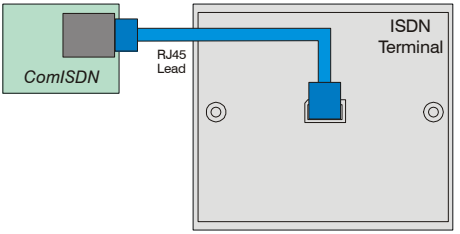
1. Isolate ALL power from the control panel (AC Mains and Battery). Do not continue if there is power still present on the control panel.
2. Installing the digimodem with power still present on the control panel will seriously damage the digimodem and invalidate any warranty.
3. Fit the 4 pillars supplied with the digimodem into the base of the control panel (the two short pillars are fitted closest to the control panel).
4. Ensure that the board is the correct way up (see picture below).
5. Locate the 8-pin plug on the digimodem into the digimodem socket on the control panel and line up the mounting holes with the pillars in the base.
6. Once all the holes line up, press down gently until the pillars snap into the holes.
7. Connect the lead from COM1 on the *ComISDN* to COM1 on the control panel.



ISDN Line Connections

➤ To connect the telephone line, proceed as follows:

1. Connection to the ISDN telephone network must be made via an RJ45 ISDN terminal (Line Box).
2. Fit the rubber grommet supplied with the digimodem into the 20mm cable entry in the top right hand corner of the control panel.
3. Using a standard RJ45 cable, plug one end into the ComISDN and feed the other end through the cable entry.
4. Plug the other end of the RJ45 cable into a suitable ISDN terminal.



Setting up the Com Ports

➤ To setup the Com Ports for the *ComISDN,* proceed as follows:

1. **Enter into the Engineers Menu** (1) (2abc) (3def) (4ghi).
2. Select the **UDL/Digi Options** menu (7pqrs) and **press** (Yes).
3. Select the **Com Port Setup** menu (8tuv) and **press** (Yes).
   - Select **Onboard Digicom** and press (No)
   - Select ***ComISDN*** and press (Yes)
   - Select **Com1** and **press** (No)
   - Select ***ComISDN*** and press (Yes)
   - **Press** (0_) to view the Com1 Monitor Screen
   - **Press** (Reset) to reset Com1
4. To exit from the **Com Port Setup** menu **press** (Menu).

Programming the *ComISDN*

➤ To program the *ComISDN,* proceed as follows:

1. **Enter into the Engineers Menu** (1) (2abc) (3def) (4ghi).
2. Select the **UDL**/**Digi Options** menu (7pqrs) and **press** (Yes).
3. Select the **Program Digi** menu (3def) and **press** (Yes).
   - Select the required **ARC** set (1) (2abc) or (3def).
   - Select the Protocol i.e. **Fast Format**
   - Enter the Primary Number for the ARC
   - Enter the Secondary Number for the ARC
   - Enter the **Account Number**
   - Enter the number of **Dialing Attempts** (minimum=1)
   - For Fast format select the **Reporting** channels
   - For Fast format select the **Restoring** channels
   - For Fast format select the **Open**/**Close** channels
   - For all other formats select the **Areas** that will report events
   - For all other formats select the types of events that will be **Reported**
   - Select any **Config.** Options that may apply
4. To exit from the **Program Digi** menu **press** (Menu).
5. Select the **Digi Options** menu (4ghi) and **press** (Yes).
   - Select Digi is Enabled (E)
   - Select any other options that may be applicable
6. To exit from the **Digi Options** menu **press** (Menu).

Testing

Testing the Communicator

➤ Once all the installation steps have been completed, proceed as follows:

1. Reconnect power to the control panel.
2. Please refer to the control panel Installation Manual for full details on programming and testing the digimodem.
3. Finally replace and secure the control panel cover.

Testing the Modem

➤ Once all the installation steps have been completed, proceed as follows:

1. Reconnect power to the control panel.
2. Please refer to the control panel Installation Manual for full details on programming the digimodem.
3. Ask the operator of the *Wintex UDL* software to establish a connection and observe that the Heartbeat LED (on the control panel) flashes at a faster rate when the connection is established.
4. Ask the operator of the *Wintex UDL* software to perform an upload from the control panel.
5. Once the upload is completed ask the operator of the *Wintex UDL* software to hang-up and observe that the LED returns to its normal mode.
6. Finally replace and secure the control panel cover.

Using a PC for local Upload/download

➤ When connecting a PC to the control panel, proceed as follows:

1. Unplug the *ComISDN* lead from COM1 on the control panel
2. Plug the *PC-Com* onto COM1 on the control panel
3. Ensure that the Lid Tamper switch is **OPEN**

   NOTE **IF THE LID TAMPER IS CLOSED THE ENGINEERS CODE WILL BE DEFAULTED**
4. Press the FACTORY DEFAULT button for a few seconds (a bleep will be heard)
5. Connect to the control panel using *Wintex*

   NOTE If Wintex does not connect to the control panel or the connection is removed for longer than 1 minute, the Factory Default button must be pressed again

   Text messages will NOT be sent whilst a PC is connected to the control panel
6. When finished, remove the *PC-Com* from COM1 on the control panel and reconnect the *ComISDN* to COM1 on the control panel

4. Specifications

Electrical

Operating Voltage	10 - 13.7VDC
Current Consumption	
Quiescent	35mA
When Active	100mA
Communicator Protocols	Fast Format Contact ID SIA Level II EasyCom Pager
Modem Protocol	V.21 (300-baud) - Analogue to Digital V.120 (19200-baud) - Digital to Digital
Telephone Numbers	6 (up to 24 digits each)
Dialling Formats	DTMF & Digital
Approval	CTR3/A1

Environmental

Operating Temperature	-10°C (+14°F) to +50°C (+122°F)
Storage Temperature	-20°C (-4°F) to +60°C (+140°F)
Maximum Humidity	95% non-condensing
EMC Environment	Residential Commercial Light Industrial Heavy Industrial

Physical

Dimensions	150mm x 120mm x 30mm
Packed Weight	100g

Standards

The *ComISDN* conform to European Union (EU) Low Voltage Directive (LVD) 73/23/EEC (amended by 93/68/EEC), Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC (amended by 92/31/EEC and 93/68/EEC) and ISDN Directive 97/346/EEC.

The CE mark indicates that this product complies with the European requirements for safety, health, environment and customer protection.

Warranty

All Texecom products are designed for reliable, trouble-free operation. Quality is carefully monitored by extensive computerised testing. As a result the *Premier ComISDN* digimodem are covered by a two-year warranty against defects in material or workmanship.

As the *Premier ComISDN* digimodem is not a complete alarm system but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the *Premier ComISDN* failed to function correctly.

Due to our policy of continuous improvement Texecom reserve the right to change specification without prior notice.

Premier is a trademark of Texecom Ltd.

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