

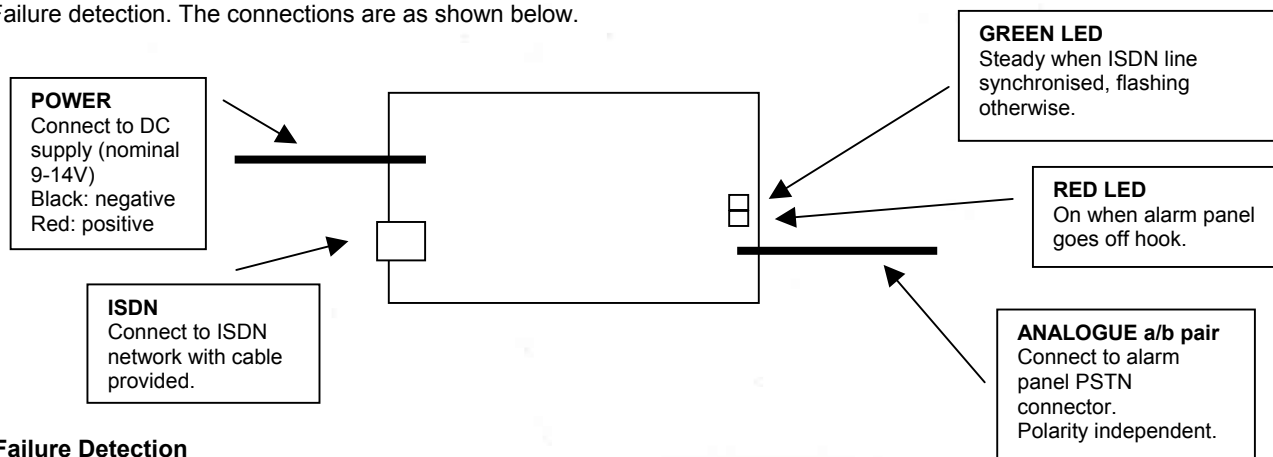


## CONNECT 101 ISDN TO ANALOGUE ADAPTER

### INSTALLATION AND USER GUIDE FOR ALARM APPLICATIONS

#### Installation

The C101 ISDN module is very easy to install in an alarm panel to provide ISDN connectivity, and is pre-configured for Line Snatch and Line Failure detection. The connections are as shown below.



#### Line Failure Detection

The Connect 101 has a powerful feature that regularly checks that communications with the local exchange is possible but does not incur any call costs, and is pre-configured in the Connect 101

The Connect 101 checks communications with the exchange every 30s and if two successive attempts fail, then it assumes the line has failed. In this case the Connect 101 will drop the line voltage on the analogue line, thereby simulating an analogue line failure. This will trigger most Alarm Panels to alert on a line failure.

The Connect 101 continues to attempt communications with the exchange and if re-established, the analogue line voltage is restored.

#### Line Snatch

When the alarm panel connected to the Connect 101 has an alarm to send to the Alarm Receiving Centre, it is possible that both channels on the ISDN line are busy. This could either be other terminals on the ISDN line making calls or because of incoming callers, who may be trying to block the line in advance of a break-in. Under normal circumstances this would prevent the alarm call being made. The Connect 101 has a unique Line Snatch facility to overcome this situation by forcing all other calls (outgoing and incoming) on the ISDN line to be cleared and allowing the alarm call to proceed.

Line Snatch operates transparently to the alarm panel and the only difference the alarm panel will see is a small delay in receiving dial tone (typically 5s maximum) when it goes off hook. This delay will only occur in the unlikely situation that both ISDN channels are busy.

#### MSN/Directory Number Configuration

The Multiple Subscriber Number facility on ISDN lines allows different devices on the ISDN line to have different telephone numbers, so each can be called uniquely. To make use of this facility with the C101 it is necessary to configure the unit with its MSN number.

To configure the C101, connect an analogue device (e.g. telephone) to the Analogue connection. Then go off hook and press the key sequence **\*90\* MSN NUMBER #**. You will here a confirmation beep.

The MSN number programmed is saved in non-volatile memory and will be retained if the power to the C101 is removed.

#### CE Marking

The Connect 101 is CE marked to show compliance with the European Radio & Telecommunications Terminal Equipment Directive (1999/5/EC).