

Function of APB01

The APB01 (ADSL/Protection Board) allows an ADSL Modem to be connected to Comfort TEL OUT (i.e. after Comfort) without significantly affecting the ADSL signal. It also serves to protect the ADSL modem and other telephone equipment from high voltage surges on the telephone line.

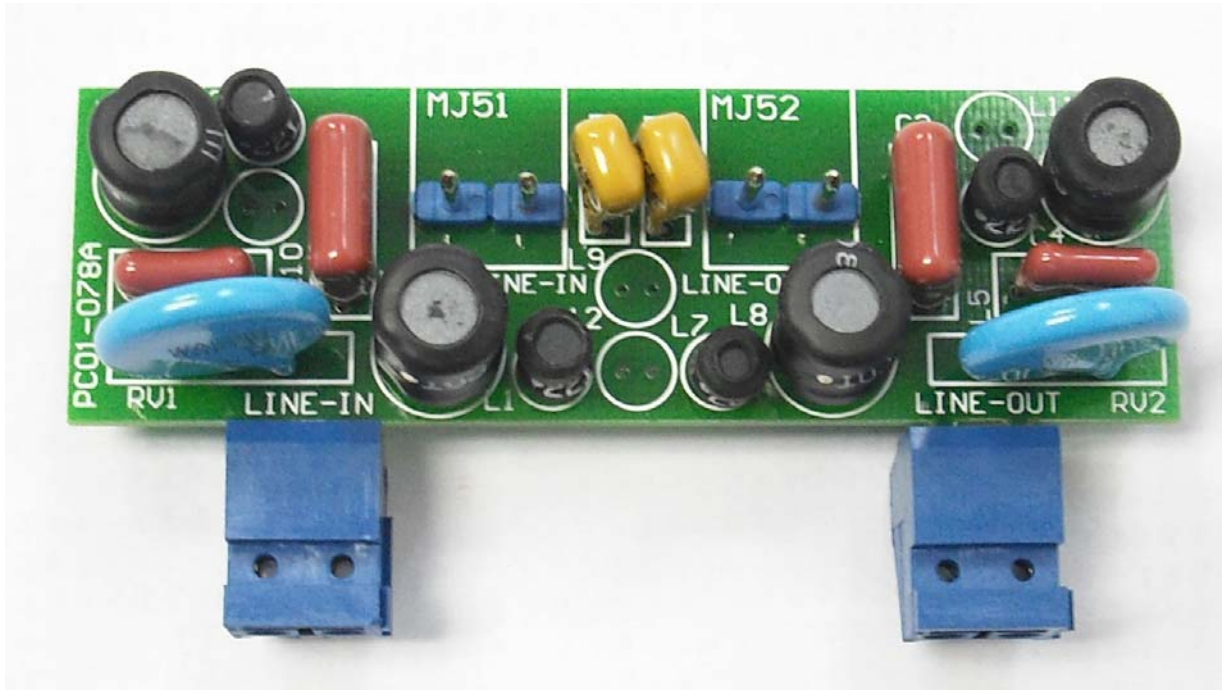


Figure 1 - APB01

Location of ADSL Modem

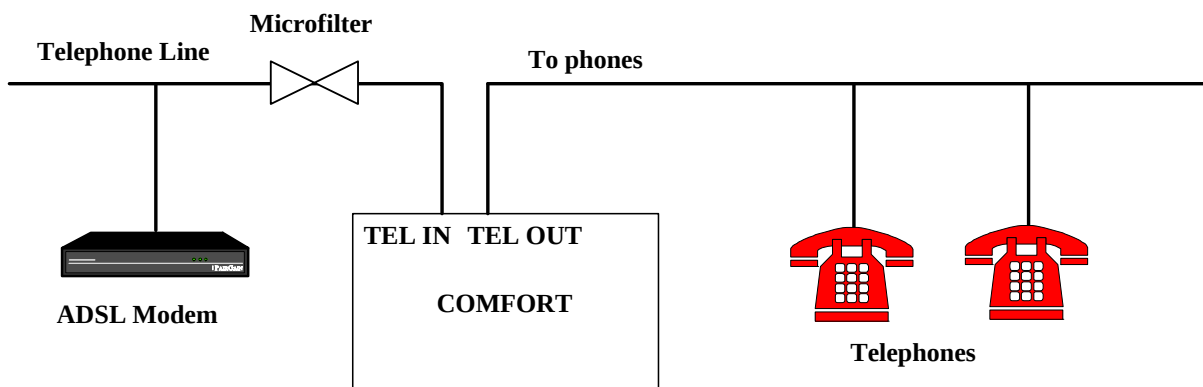


Figure 2 - Normal ADSL connection to Comfort

Figure 2 shows how the ADSL Modem should be connected in a Comfort system or other burglar alarm with dialer. The ADSL modem should normally be connected before TEL IN, while the phones are connected to TEL OUT. If the ADSL modem is connected to TEL OUT, the ADSL bandwidth would be affected by the Comfort dialer and voice operation. In some installations, the user would like to have the ADSL model connected to a phone socket in the premises, or the exiting wiring may not allow the above connection shown in figure 2

APB01 ADSL/Protection Board

In such cases the APB01 provides a good solution.

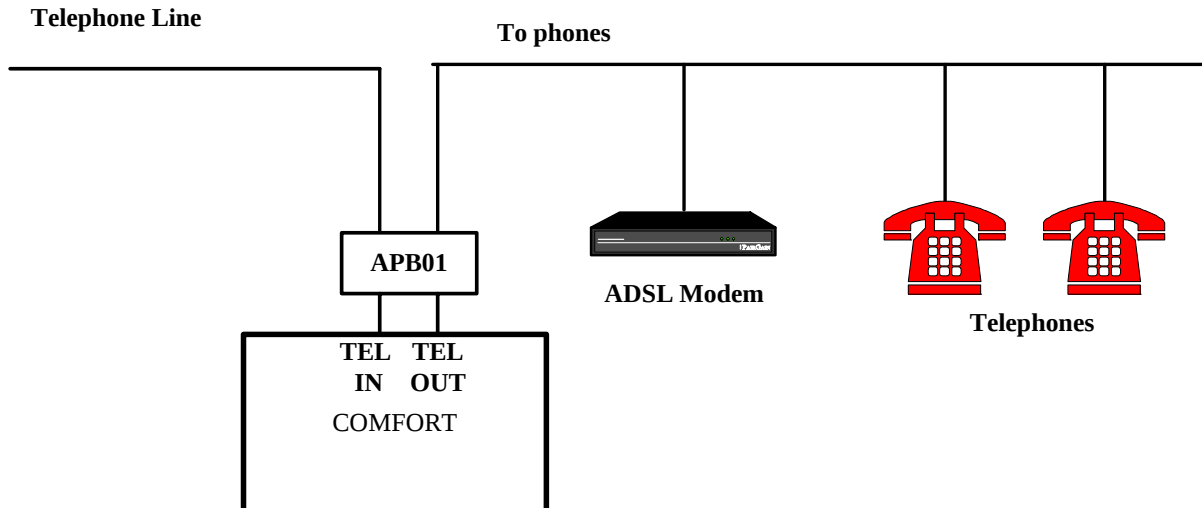


Figure 3 - APB connection

Figure 3 shows that the ADSL Modem connected to TEL OUT when a APB01 is installed

APB01 Connections

The APB01 has terminal blocks for Telephone In and Telephone Out as shown in Figure 1. These allow the APB01 to plug directly to Comfort's TEL IN and TEL-OUT connectors. Before plugging it in, remove the terminal blocks from Comfort's TEL IN and TEL OUT. Use these terminal blocks to plug to MJ51 (LINE-IN) and MJ52 (LINE-OUT) on the top end of the board. Connect the incoming telephone line to LINE-IN and the wire to the telephones to LINE-OUT)

The photo below shows the APB01 plugged into Comfort

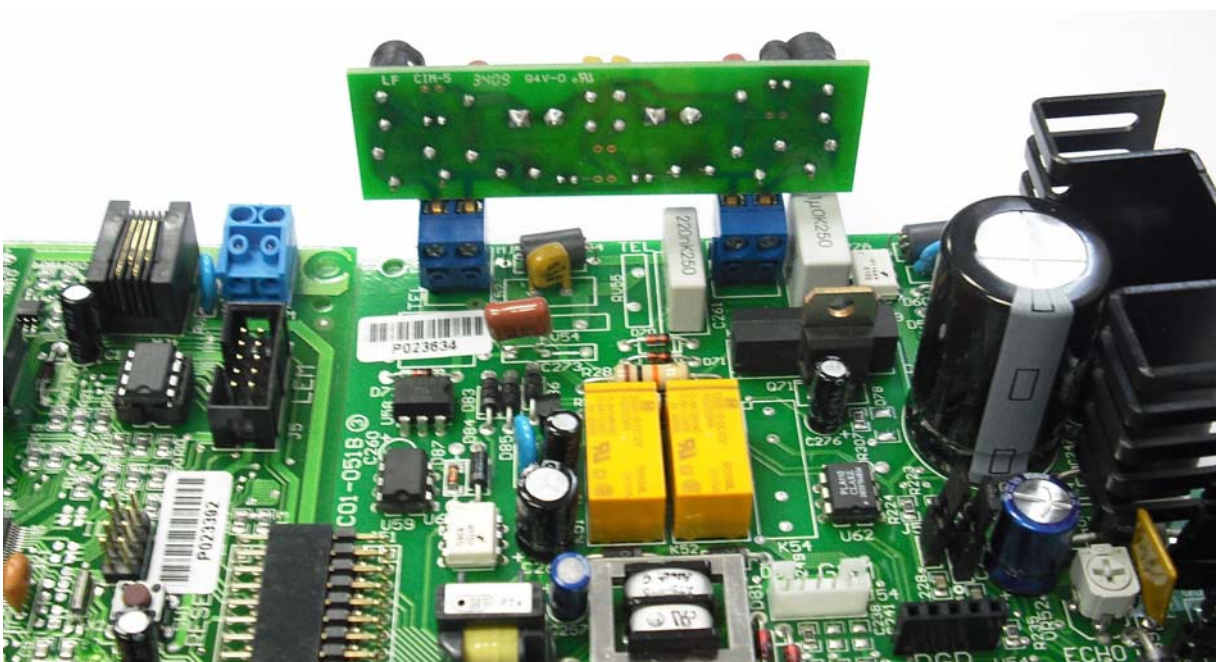


Figure 4 - APB01 plugged into Comfort

APB01 ADSL/Protection Board

Note that the APB01 TEL IN and TEL OUT are symmetrical and interchangeable. The APB01 can be reversed in direction i.e. TEL OUT and TEL IN can be interchanged as long as the telephone wires are also swapped, i.e. the incoming telephone wires should go to the left connector and Telephone out wires to the right connector

Operation

The APB01 allows the ADSL signals to pass from the incoming telephone line to the ADSL modem and vice versa without being attenuated. The normal operation of Comfort is not affected. The high frequency noise will not be heard in Comforts voice signals as there is a microfilter circuit in the APB01

Protection circuitry similar to the TPB01 (Telephone Protection Board) is built in to the APB01 so it helps to protect the ADSL modem and other equipment on TEL OUT

Document Revision History

14 July 2010 - Initial Release

Important Note

The printed manual may not always be the most current version. Please check and download the latest version from <http://www.cytech.biz/manuals.html>

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