The ADSL Splitter separates the signal POTS (Plain Old Telephone Service) (voice) from the ADSL signal (data) allowing the simultaneous transmission of both services using the same cable (phone cable).

It allows to have in the subscriber's house two independent lines, voice and data, therefore all the analogical equipment can be used at the same time (telephones, fax, alarms, etc.), without the need of a microfilter for every equipment and without affecting the actual installation.

**SAP100**- To be used in conventional lines (POTS) and without billing tone.

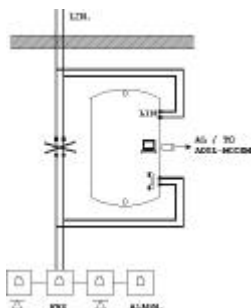**Countries**: Sweden, Switzerland, Australia.

- Ready for new ADSL 2 + technology
- Plastic material V.O. (Fireproof)
- RJ11 connector with gold covering (50µ/")
- Exclusive design with safe cables fixing
- Designed according environment regulation ETS300019 part.1-1, class1.2; part1-2, class2.3; part.1-3, class3.2

## Technical requirements

| Voice specifications | | General specifications | |
|---|---|---|---|
| Pass band (P.b.) | 0-4 KHz | Resistance in loop | $< 50\ \Omega$ |
| Line impedance | 150nf // 750$\Omega$+270$\Omega$ | Line/ground isolation resistance | $> 100\ M\Omega$ |
| Insertion losses in (B.p.) | < 1dB | Isolation resistance line | $> 10\ M\Omega$ |
| Distortion of insert losses in (B.p.) | < 0,5 dB | Line connectors | 1 RJ11 / 1 clema IDC |
| Return losses in (B.p.) | > 20 dB | Phone connectors | 1 RJ11 / 1 clema IDC |
| ADSL band attenuation (32 KHz – 2,2 MHz) | > 55 dB | ADSL data connectors | 1 RJ11 |
| Maximum current (Imax) d.c. | 100 mA | Wall mounting | 2 screws/2 plastic plugs. |
| ADSL Specifications | | Surface mounting | Adhesive tape |
| Impedance | 100 $\Omega$ | Dimensions | (87x51x25) mm |
| Return losses (30 to 1,1Khz) | 10 dB | Weight | 85 gr |

## Installation and connections



### Installation diagram

The ADSL splitter must be placed in the entrance line point before any other equipment from the internal network.
Two fixing options: it can be fixed to a plain surface using adhesive tape or to a wall using 2 screws.

### Two connection options

The connection can be done with IDC clamps (Insulation Displacement Connection) avoiding the stripping of phone cables, or for connector RJ11.

### It contains

- Splitter ADSL HR-SAP100
- 2 screws and 2 plastic plugs.
- Adhesive tape.
- Installation instructions.