

# PS-11 Master POTS Splitter Installation

## *FOR Mounting in Network Interface Device (NID) box*

### 1. Introduction

Congratulations on your purchase of the Wilcom ADSL Master POTS ( plain old telephone service ) Splitter. The POTS Splitter is part of a system that provides an integrated end-to-end solution for data connectivity, and high speed Internet access services using asymmetrical digital subscriber line (ADSL) transmission over your current telephone wiring.

#### 1.1 ADSL Technology

ADSL technology uses advanced digital modulation to transmit at high speeds over standard telephone wiring. This technology can download data at speeds up to 8 megabits per second and upload data at speeds up to 768 kilobits per second. ADSL allows telephone conversation and data downloads simultaneously over the existing telephone line. The PS-11 POTS Splitter is a completely passive device and will allow telephone service to be uninterrupted even in power outages.

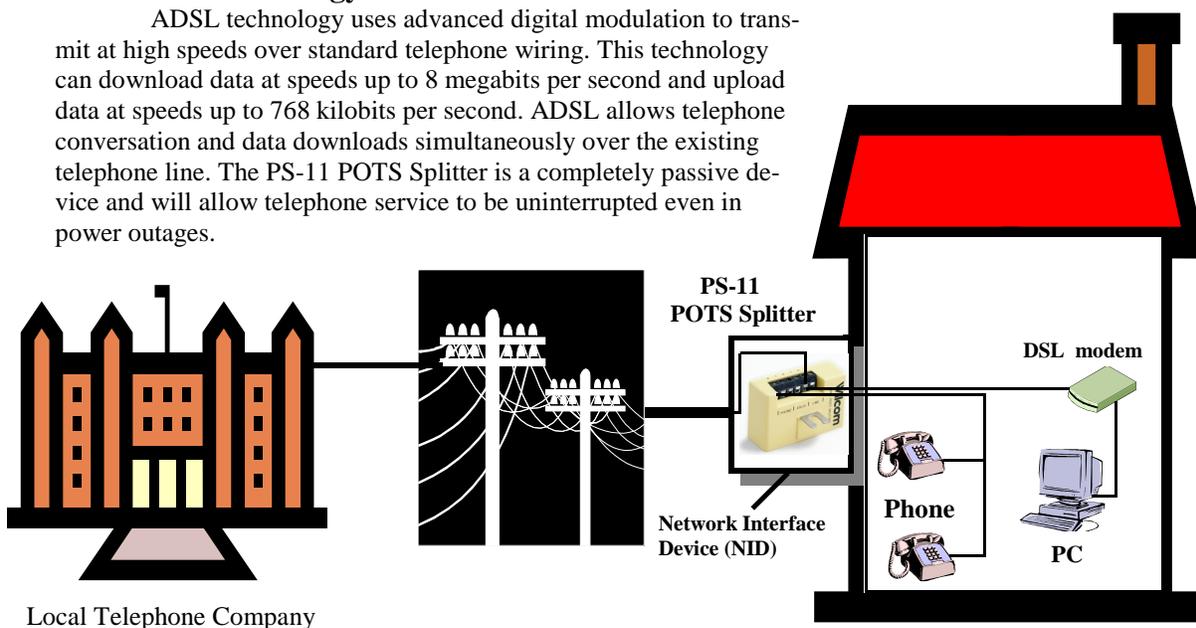


Figure 2.1

### 2. Installing the Master POTS Splitter Into the NID

#### 2.1 Connecting the Inside Wires

**⚠ CAUTION**

Improper inside wiring can cause ADSL service interruption. Interior home wire is the home owner's responsibility. Figure 2.1 represents a standard wiring scheme. Not all homes will follow this convention. Standard telephone company inside wire coverage options will not cover the cost to repair voice path problems that result from homeowner wiring attempts. These repairs may be billed to the homeowner as regular time and materials repair charges. It is always best to consult with your DSL provider about these matters.

Figure 2.2 shows an expanded view of a Network Interface Device (NID) box. This example is one of many different NID boxes that can be installed on the outside of your home. NID boxes are like cars, there are many models made by many different manufacturers. The installation wiring of the PS-11 POTS Splitter is essentially the same for any style NID box.

1. Locate the Network Interface Device (NID box), and open the “Telephone Company” access only side of the NID box.
2. Using the metal tab, mount the PS-11 onto an available threaded stud and secure.
3. Locate the customer **line module** where your house/telephone wiring is connected, and disconnect those wires which go to the station protector, and reconnect them to the PS-11 **PHONE** terminals.
4. Connect a pair of new wires from the station protector terminals to the PS-11 **LINE** terminals.

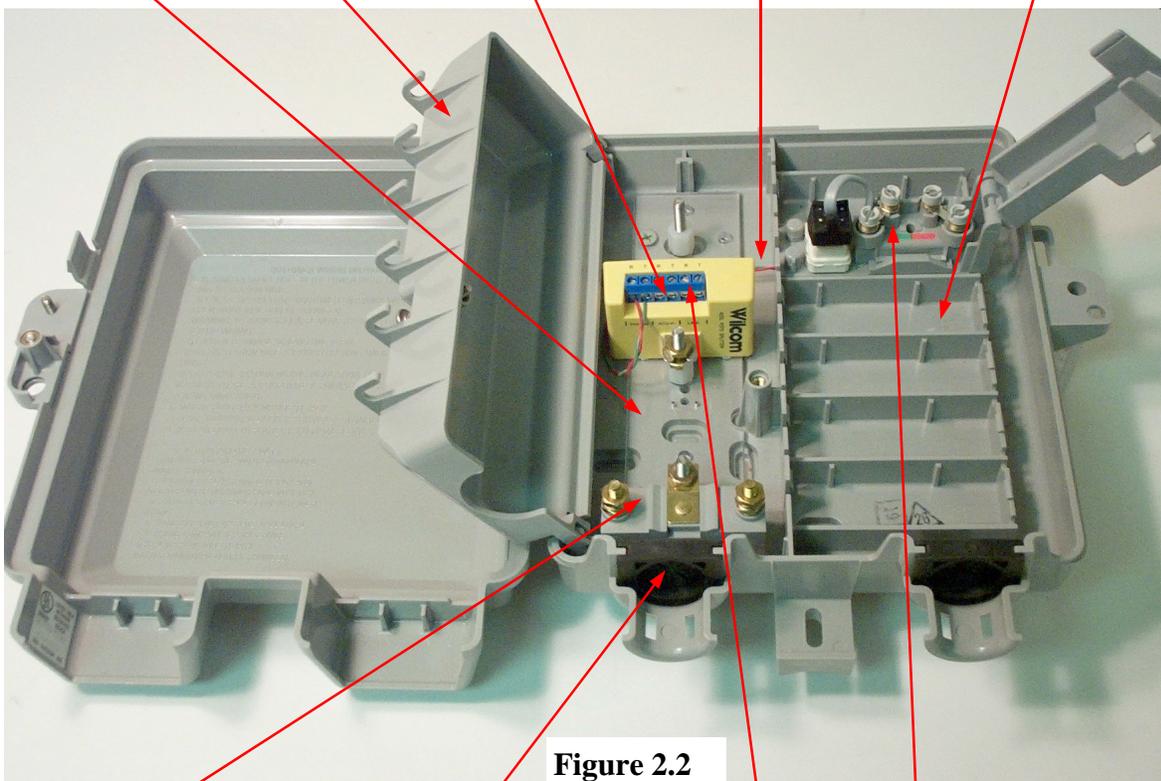
This side of the NID box is the “Telco” side & is typically not accessible by the customer

Cover to “Telco” access only side of the NID box

PS-11 **ATU-R** terminals connect to the DSL modem

Red & Green wires from the customer Line Module connect to the PS-11 **PHONE** terminals

“Customer” side of the NID Box



**Figure 2.2**

Station protector protects against lightning & transients on telephone lines

Telephone line comes into NID box here, and connects to the station protector. If you have more than one telephone number, one # may be on the ( green & red ) wires and the other # may be on the ( yellow & black ) wires.

PS-11 **LINE** terminals connect to station protector

House telephone wiring connects to customer **Line Module** terminals

5. Run a new pair of wires from your DSL modem to the terminals on the PS-11 marked **ATU-R**.  
**Note:** It is recommended that this pair of wires be data grade cabling.
6. You are now finished with your NID box. Close and secure the cover.