

Installation Manual RPS3001

May 2006

(Patent Pending US20050117732A1)

1.0 Equipment Description and Operation

The Remote Porting Switch is a 2 x 1 switch. The Remote Porting Switch switches the subscriber port from the Telco port to the VoIP port.

The MTA ring signal will cause the device to switch the Subscriber port to the VOIP Port. A recessed reset switch forces the subscriber port back to the Telco port. The Remote Porting Switch must be connected to a powered MTA for the reset to operate.

2.0 Features

2.1. Switch Module

This product version allows two (2) telephone service providers (VOIP and Telco) to interconnect to one (1) subscriber. Only one provider port can be connected to the subscriber port at any given time. For this reason, we refer to a provider port as the CONNECTED or DISCONNECTED side. The CONNECTED side refers to the switch connecting one of the provider ports to the subscriber port. The DISCONNECTED side refers to the provider port that is electrically unconnected from the subscriber. **This module, self-powered from the telephone line, is totally self-sufficient and needs no external supply.**

2.2. Switching

The Remote Porting Switch will initiate a switch under the following two conditions:

- After a ring signal on the VOIP Port, the Remote Porting Switch will switch to the VOIP port.

2.3. Power Fail State

If power is lost on the Remote Porting Switch will not switch.

3.0 Safety First



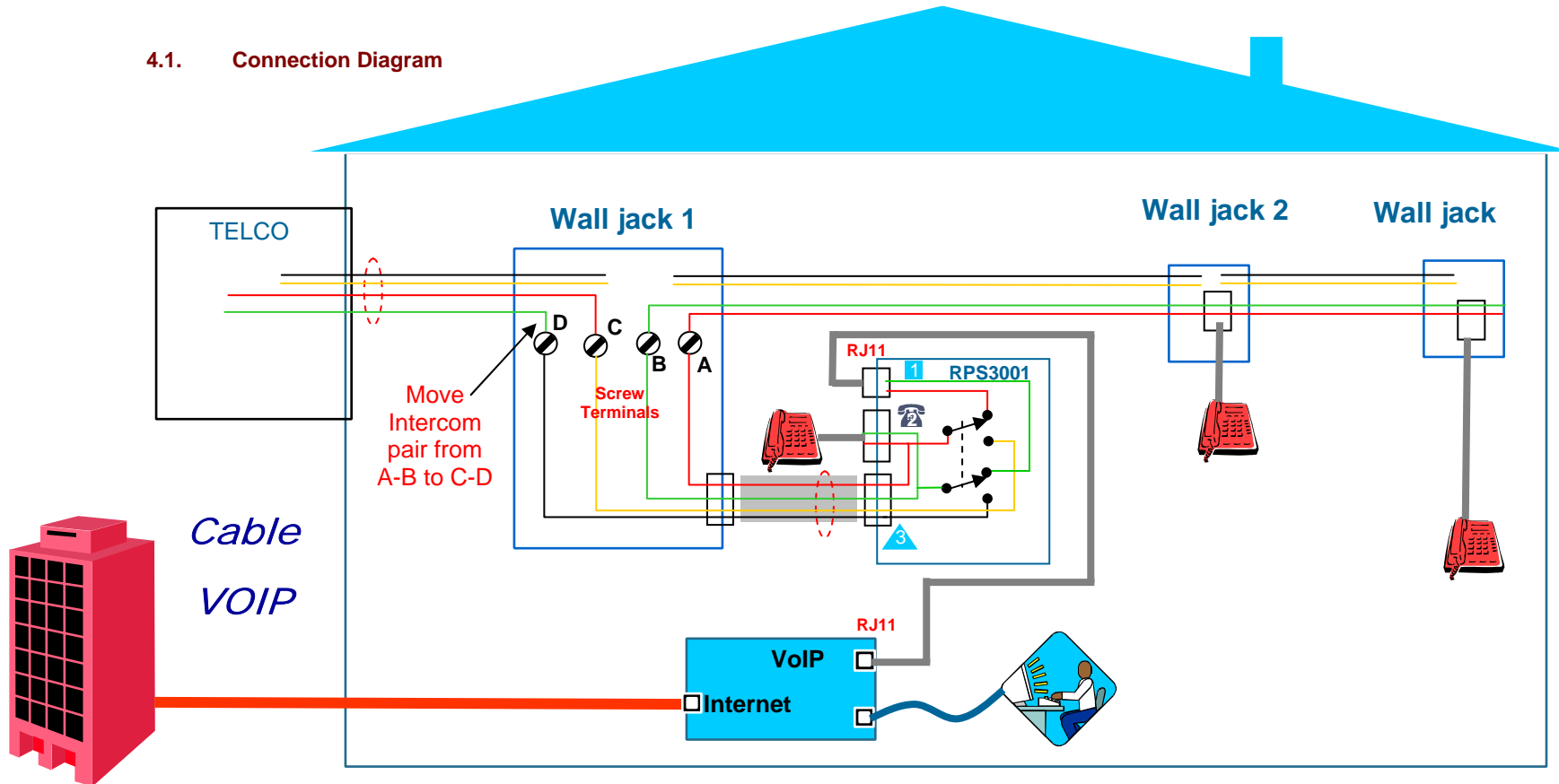
Caution




Please read and take time to understand all instructions:

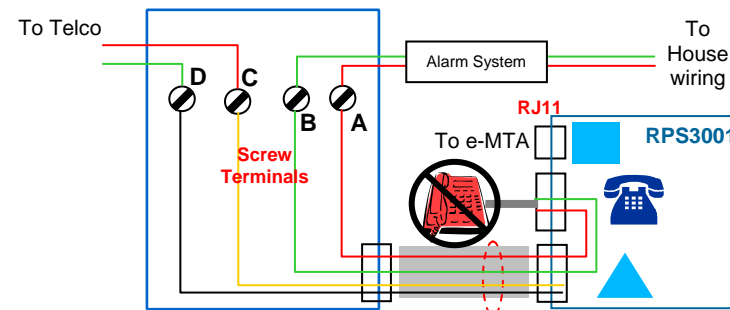
- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for use in wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Hazardous voltages may be present on the TELCO and CABLE port while connecting the Remote Porting Switch to telephone lines.
- Installation personnel should avoid being in direct contact with non-insulated telephone wires or connector terminals.
- To insure safe operation, do not mount unit on its side.

4.1. Connection Diagram



4.2. Alarm System Connection

With Alarm Systems do not install a telephone on the House Phone Port 



4.3. Connecting The Remote Porting Switch Model RPS3001



The Remote Porting Switch requires no external power connection. Each unit is independent and powered by the telephone line providing service.

5.0 Testing the Remote Porting Switch

- 1- Power up the Cable Modem MTA.
- 2- Reset the Remote Porting Switch by pressing the recessed button with a small screwdriver or metal pin.
- 3- Verify the house telephones have dial tone and are connected to the Telco service provider.
- 4- Call the Telco telephone number, the house telephones should ring.
- 5- Ring the Cable Modem telephone line.
- 6- Verify the house telephones have dial tone from the Cable Modem.
- 7- Reset the Remote Porting Switch.
- 8- Verify the house telephones have dial tone and are connected to the Telco service provider.

6.0 Troubleshooting

1. **The house telephones do not ring:**
Disconnect the MTA to Remote Porting Switch connection at the MTA. Connect a telephone at the MTA. Call the VOIP number. If the telephone does not ring the problem is with the MTA or service activation. If the telephone rings verify the MTA to Remote Porting Switch wiring and the Remote Porting Switch to house wiring.
2. **The house telephones do not ring with an incoming Telco call:**
Verify the Telco to Remote Porting Switch wiring.

7.0 Limitations

The Remote Porting Switch must not be used with public coin phone service provided by the telephone company or on party lines.

8.0 Technical Information

Maximum Line Operating Voltage:	60 VDC
Temperature:	-10 °F to +150 °F
Humidity:	95%
Switch to Cable Time:	1/2 to 2 ring cycles
Ring Detection:	40 VAC to 120 VAC at 20 Hz +- 20% (factory set)
Regulatory:	UL 1863
Subscriber Unit Module Weight:	Approx. 2.5 oz
UI 1863 section 25.22 :	600 VAC, 2.2 A., 30 minutes, 600 VAC, 7.0A, 5 second
Telco port Surge	GR 1089 First Level Lightning Surge Test 1,2,4,5
VoIP port surge:	GR 1089 Intra-Building Lightning Surge Test 1,2

9.0 Regulatory

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

All jacks are RJ-11.

Plugs and jacks used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact your local telephone service provider. The REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3).

If this equipment (RPS3001) causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment model RPS3001, for repair or warranty information, please contact Sittelle Technologies, www.sittelletech.com. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

This equipment is of a type that is not intended to be repaired.

This equipment is not compatible with party lines. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this RPS3001 does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

10.0 Warranty

Limited Warranty

Sittelle Technologies Inc. warrants to the original purchaser that this product is free from defects in materials or workmanship for a period of one (1) year from the date of purchase. During the warranty period, the product will be repaired or replaced (with the same or similar model) at our option, without charge for either parts or labor. This warranty shall not apply if the product is modified, tampered with, misused, or subjected to abnormal working conditions.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, AND SITTELLE TECHNOLOGIES INC. SHALL IN NO EVENT BE LIABLE TO PURCHASER FOR INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND OR CHARACTER.

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