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## **ACP Series 2.0**

**Out - of - Band Network Switch & Call Router**

### **Benefits**

- ✓ Reduces or eliminates costly dedicated phone lines
- ✓ Secures dial-up modems from unauthorized access
- ✓ Automatically directs calls to phone, fax, or dial-up modems
- ✓ Shares 3, 5, or 9 telephony devices with one phone line

### **Applications**

- Out-of-Band Network Access
- Telephony Firewall
- Utility Meter Reading
- Remote Site Management
- HVAC Control Monitoring
- Substation Communications
- Point-of-Sale System Integration
- Modem Polling
- Fuel Tank Monitoring
- Service Port Access
- SCADA Interrogation
- 1<sup>st</sup> Line Network Support

### **Product Overview**

Reduce phone costs, improve connectivity, and secure your telecom and network equipment with Multi-Link's **ACP Series 2.0, Out - of - Band Network Switch & Call Router.**



### **Polnet ACP-500™**

The ACP Series 2.0 enables businesses to communicate with remote telecom and network assets more efficiently and securely while cutting costs.

The ACP units allows up to nine telephony devices to share a single telephone line, eliminating costly phone lines and saving up to \$400/month per site. Businesses with multiple remote sites can realize a significant ROI in 3 months or less.

The ACP automatically routes calls to phone, fax, or dial-up modems, ensuring that the right resource is reached the first time. This consistent connectivity prevents time-consuming dial-backs and streamlines polling and data acquisition processes.

In addition to cost savings and precise routing, the ACP 2.0 is engineered to provide an additional layer of security to connected devices. Vulnerable pathways to equipment via the PSTN are protected by programmable Security Access Codes up to seven characters. There are over 35 million combinations to choose from, effectively creating a telephony firewall for dial-up connections.

### *New Features!*

#### **HACKER SHIELD PROTECTION**

Programmable Security Access Codes, up to 7 digits per port, protects connected devices from unauthorized access for a robust telephony firewall.

#### **Caller ID "Store & Forward"**

CID is sent to device on first ring.

#### **Multiple Line Seizure Ports**

Up to four device ports can now be designated for emergency line seizure for critical applications.

#### **Simplified Installation**

All line-in and device jacks are RJ11. No additional connectors are required

#### **LED Status Display**

Seven segment display shows port in use & programming value read-back. Audible read-back tones are also provided for remote programming.

#### **Data Disruption Protection**

Prevents active calls from interruption by another device.

#### **Remote Programming**

ACP's can be securely programmed by a remote administrator.

## How does the ACP Series 2.0 work?

The ACP installs on an analog phone line and answers inbound calls at the first sign of ring voltage. After the ACP goes off-hook, it immediately screens for fax and security access codes (SAC). During this processing period, a Bell spec "ring-back" tone is issued to the calling party.

Once a SAC command is received, the call is routed to the corresponding port. In the absence of fax/access codes, the call is defaulted to device port #1. Outbound calls are processed in the normal fashion with barge-in protection. The emergency barge-in (EBI) feature allows up to four user designated device ports to seize the phone line for critical outbound calls.

## Ask our technicians

Our experienced staff of technicians is available to answer any questions you may have about programming or installation. We can even test and program your unit over the phone! We are available before and after the sale to ensure your satisfaction and optimal performance for your application.

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## ACP SERIES 2.0 TECHNICAL SPECIFICATIONS

Model Number ACP-300; ACP-500; ACP-900

### *Input Power Requirements*

At AC Transformer: 100-240 Volts AC, 50-60 Hz  
At Power Jack on ACP: 12-15 Volts DC (Center pin positive)  
Grounded power supply recommended

*Power Consumption:* (12VDC Input) 4 Watts

*Power Consumption at standby:* (12VDC Input) ≈ 2.5 Watts

### *CO Interface*

Ringer Equivalence Number: 1.1B  
Input Ring Detection: 50-150 VAC, 15-68 Hz

Physical: 6.3" W x 9.5" D x 1.4" H, 1 lb  
Operating Temperature: -20°F to 120°F

### *Device Interface*

Battery: -38 Volts DC to all ports  
Off-Hook Detection: 8-150 mA  
Ring Generator Frequency: 33 Hz

Waveform: Sinusoidal

### *Following values are with 12VDC input*

(Values increase with 14/15 VDC input)  
Ringing No Load: Approximately 105 Volts AC  
Ringing 8K Ohm Imp. (REN1.0): Approx 90 Volts AC  
Ringing 4K Ohm Imp. (REN2.0): Approx 78 Volts AC  
Ringing 2.7K Ohm Imp. (REN3.0): Approx 68 Volts AC

Warranty: 2 Year Limited  
FCC Registration# GK7USA-73200-KX-N

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