

Polnet ACP

SYSTEM CUSTOMIZATION

The ACP PolNet™ System can be easily tailored to fit the needs of individual organizations or departments. An unlimited number of remote site information systems can be accessed, and with its register programs, the system functions can be configured to meet the specifications of both calling and receiving modems and long distance switching time. By utilizing programmable security codes (up to 7 digits), 35 million possible combinations of codes prevent unauthorized access to the data devices.



ACP GENERAL OPERATION

The ACP's routing decision is based on tone detection. When a call is placed to the remote location, the ACP detects the phone company's ringing voltage, goes off hook (answers) and begins a preliminary screening process. During this time, the ACP is looking for tone based routing instructions. For instance, if the ACP hears the industry standard CNG tone generated by a calling Fax, the call is immediately and automatically routed to the connected fax machine without disturbing the receiving party, ringing attached phones or ringing other attached devices.

Each device port of the ACP has its own DTMF security code that can be used to protect any devices connected to the ports from unauthorized access. Each separate security code can be programmed to any number up to 7 digits, including the * and # characters found on the telephone keypad. During an incoming call, the ACP detects the DTMF access code for a device port, the call is automatically routed to the correct device.

In the absence of any distinguishing tones or security codes, the ACP begins to ring the call through to the default port (device port #1).

Outgoing calls can be placed from any device port as if it were attached to a dedicated line. Only one device at a time can actively use the telephone line. When the line is in use by one device, other devices attempting to access the line for an outgoing call will receive a busy signal. With special programming, this feature can be overridden in an emergency situation where an outgoing call must be placed quickly.

ACP PROGRAM REGISTERS

The ACP has been designed to perform several operations, which are integral to the proper function of your total communications system. The operations are controlled by programmable information, which is stored in files called "registers". Each register contains enough memory to hold factory preset default values and "custom" values that allow the ACP to operate to your specifications. The following is a short description of each register function, program capacity and factory preset default values.

Register 01 - Mode Flags

This register controls 8 features or operating modes performed by the ACP. Each "flag" or feature can be turned on/off and is programmed as a string of bit information. Zero (0) denotes "off" and one (1) denotes "on". The Mode Flags are factory preset to the following:

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Flag 1 (Bit 7)	Caller ID delay	0 (off)
Flag 2 (Bit 6)	Fax Tone Detect to Device 2	1 (on)
Flag 3 (Bit 5)	Night Watch Mode	0 (off)
Flag 4 (Bit 4)	Additional Detect Time	0 (off)
Flag 5 (Bit 3)	Protected Hook Flash	0 (off)
Flag 6 (Bit 2)	Busy Signal	1 (on)
Flag 7 (Bit 1)	Enable Multi-Port Polling	0 (off)
Flag 8 (Bit 0)	Night Watch Mode to Device 3	0 (off)

The operation modes (Flags) can be programmed to meet the specifications that your system requires to function optimally.

REGISTER 02 – Cadence On Time

This register can range from 1 to 6 in one-half seconds and controls the amount of "ring" time in the ring cadence. Factory preset to 4 (2 seconds).

REGISTER 03- Cadence Off Time

This register can range from 1 to 15 in one-half seconds and controls the length of silent time between each ring. Factory preset to 8 (4 seconds).

REGISTER 04 - Maximum Number of Rings to a Device

This register can range from 1 to 99 and controls the amount of rings sent to a device port. Factory preset to 8 rings.

REGISTER 05 - Night Watch Mode Trip Rings

This register contains the number of rings that are required to trip the Night Watch Mode function. After an incoming call has been screened, the number of rings to the phone port is counted, and if the phone is not answered in "X" rings, this call and all future calls will be diverted to the FAX machine. This register can range from 1 to 15. Factory preset is 5 rings.

REGISTER 06 - Night Watch Mode Rings

This Register contains the number of rings to the phone device port after Night Watch Mode (Register 05) has been activated. This number is usually less than register 05 but can range from 1 to 15. Factory preset is 2 rings.

REGISTER 07 - Barge-in Digits

This register contains the number of digits that must be dialed to "Barge-in" on a call and gain access to the line. If you pickup the telephone receiver and hear a busy signal, you can dial "X" number of digits and the ACP will give you the line. This register ranges from 0 (off) to 15. Factory preset is 0 (off).

REGISTER 08 – Barge-in Time

This register contains the amount of time that a telephone receiver can be held off-hook to "barge-in" on a call. The range of this register is 0 (off) to 15 with a 2 second multiplier for each digit. Factory preset to 0 (Off).

REGISTER 09 - Security Programming Time Window

This register contains the number of minutes that the ACP will look for the programming code after it has been turned on. The range of this register is 0 to 15. Factory preset to 0 (allows programming at all times).

REGISTER 10 – Seizure Time

This register contains the maximum number of seconds the ACP will hold the phone line, during a multiple polling sequence, after a device has been disconnected. This register ranges from 10 to 99. Factory preset to 25 (no ring back is provided during this time).

REGISTER 11 – Security Access Code for Device Port 1

Contains the security access code for device port 1. This register holds up to 7 digits ranging from 0 to 9, * and #. Factory preset to 11.

REGISTER 12 - Security Access Code for Device Port 2

Contains the security access code for device port 2. This register holds up to 7 digits ranging from 0 to 9, * and #. Factory preset to 22.

REGISTER 13 - Security Access Code for Device Port 3

Contains the security access code for device port 3. This register holds up to 7 digits ranging from 0 to 9, * and #. Factory preset to 33.

REGISTER 14 - Security Access Code for Device Port 4

Contains the security access code for device port 4. This register holds up to 7 digits ranging from 0 to 9, " and #. Factory preset to 44. This purpose of the register only applies to the ACP-5 and ACP-9. In an ACP-3, this register is used to for Multiple Polling Code and equates to register 16 in ACP-5 or 9. This is the last valid programming register of an ACP-3.

REGISTER 15 - Security Access -Code for-Device Port 5

Contains the security access code for device port 5. This register holds up to 7 digits ranging from 0 to 9, * and #. Factory preset to 55. This register only applies to the ACP-5 or ACP-9.

REGISTER 16 - Multiple Polling Code

This register contains the multiple polling code (MPC). The MPC should be placed at the beginning or end of a security access code. After a device has completed its communication and if the correct MPC is detected, the ACP will seize the line. This process allows multiple polling with one call. The register must contain two digits. Factory preset to ##. This is the last programming register of an ACP-5.

REGISTER 26 - Security Access Code for Port 6

Contains the security access code for device port 6. This register holds up to 7 digits ranging from 0 to 9, * and #. Factory preset to 66. This register only applies to the ACP-9.

REGISTER 27 - Security Access Code for Device Port 7

Contains the security access code for device port 7. This register holds up to 7 digits ranging from 0 to 9, * and #. Factory preset to 77. This register only applies to the ACP-9.

REGISTER 28 - Security Access Code for Device Port 8

Contains the security access code for device port 8. This register holds up to 7 digits ranging from 0 to 9, * and #. Factory preset to 88. This register only applies to the ACP-9.

REGISTER 29- Security Access Code for Device Port 9

Contains the security access code for device port 9. This register holds up to 7 digits ranging from 0 to 9, * and #. Factory preset to 99. This register only applies to, and is the last programming register in an ACP-9.

WARNING:

*For registers 11 through 15 or 26 through 29, DO NOT program any of the security access codes to segments of the programming code (**7764#)*

TO ENTER PROGRAMMING MODE

To enter programming mode, pick up the receiver of the phone that is plugged into device port 1 and dial **7764#. After dialing the string, 3 quick high beeps should be heard. This affirms entry into the programming menu.

To program individual registers, press the register number you wish to program and the desired digits immediately in a contiguous string (as an example: 023 to set register 02 to a value of 3). If an error in entry is detected, a single low pitch beep will be heard followed by a short space, then 3 quick high beeps. The 3 quick high beeps tell you to select the next register in the menu for programming.

TO RESET ALL REGISTER VALUES TO ACTORY PRESET

Press 60 while in programming mode to reset all registers to factory defaults.

TO READ VALUES FROM MEMORY

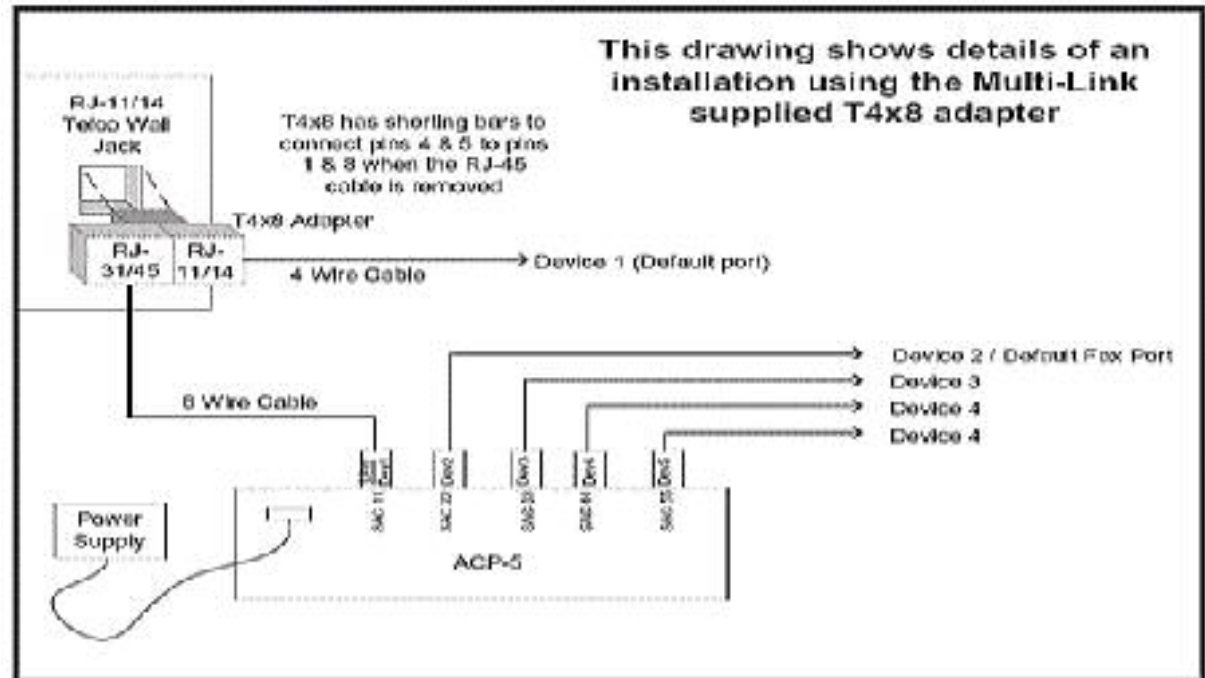
Press 70 on your telephone keypad.

TO WRITE PROGRAMS TO MEMORY

Press 80 on your telephone keypad. This should always be done when you are satisfied with the information you have programmed.

To EXIT PROGRAMMING MODE

Press 90 on your telephone keypad.



Tech Support Information

The Polnet™ ACP has remote diagnostics and programming capabilities. If you have any trouble programming your ACP, please call our tech support number and let one of our factory trained technicians program it for you right over the phone.

In The US:

1-800-535-4651

In Canada:

1-859-885-6363

SERVICE INFORMATION OUTSIDE THE U.S. AND CANADA

For units installed outside the U.S. and Canada, please contact:

1-859-885-6363

For more information and technical support visit our website at <http://faxswitch.com>

How to Buy a ACP call processor

Purchasing Information

Other innovative phone and fax products from Multi-Link® can be purchased securely online from:

<http://www.faxswitch.com>

Or by phone at: **(217) 337 -0965** or Toll Free at **(866) 337-0965** within US and Canada.