

Status Indication

Power Indicator (PWR)

The Power Indicator is located on the top edge of the PCB and indicated that power is applied to the PostX Module. The Power LED is on constantly when power is applied to the PostX, if this LED is not on the PostX will not be working.

Status Indicator (STS)

The Status Indicator is located on the top edge of the PCB and indicates the status of the PostX. If the PostX Module is operating normally the LED will indicate this by **FLASHING** at 1 second intervals. If the LED is **ON CONSTANTLY** the PostX is still starting up, waiting until the LED starts flashing before attempting to do anything with the PostX.

PSTN Indicator (PST)

The PSTN Indicator is located on the top edge of the PCB and indicates when the modem is off hook. The LED is **ON** constantly when the on board modem has taken control of the line and is attempting to connect to a monitoring station.

Panel Indicator (PNL)

The Panel Indicator is located on the top edge of the PCB and indicates when the subscriber phone goes off hook. In normal operation this is when the connected panel has gone off hook and is attempting to connect to the PostX. The LED is **ON** constantly while the subscriber line is off hook.

Ethernet Link Indicator (LINK)

The Ethernet Link Indicator is located next to the Ethernet Jack. The Link LED is **ON** constantly when it senses a "live" Ethernet connection is detected, if no connection is found the LED is off. If a cable is plugged into the Ethernet Jack but it is not terminated to another Ethernet device at the other end the Link LED will remain off, as no "live" connection is found.

Ethernet Data Indicator (DATA)

The Ethernet Data Indicator is located next to the Ethernet Jack and Link LED. The LED **FLASHES** for 100ms when an Ethernet packet is transmitted or received. This is very useful when debugging your Ethernet link to make sure you are receiving packets you have sent from another device.

Specification

Power Supply

Voltage	12VDC (10VDC - 30VDC)
Current	110mA (Idle) 220mA (Peak, panel off hook)

Communication

Ethernet	10/100 Auto Negotiation
Full PSTN Emulation	
Modem Security Reporting	

Outputs

2 Low Current PGM Outputs 50mA (Max) Open Collector
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Inputs

4 Configurable Zone Inputs

Dimensions

PCB Dimensions	140mm X 70mm 5.5" X 2.75"
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Temperature

Operating	5° - 55° Celsius 41° - 131° Fahrenheit
Humidity	0%-85% (Non-Condensing)
Storage	-10° - 85° Celsius 14° - 185° Fahrenheit

**Specifications are subject to change without notice, please visit www.integratedcontroltechnology.com for the updated information.*



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PostX

IP Reporting Module



Quick Start Guide

Introduction

Thank you for choosing the PostX IP Reporting Module by Integrated Control Technology. The PostX IP Reporting Module is designed to help transition existing alarm monitoring solutions from traditional PSTN reporting to IP capable devices with minimal effort and at a low cost.

The PostX includes a phone line emulator and alarm receiver that connects to the existing Alarm Panel, an Ethernet interface for IP reporting and an independent modem for back up reporting or PSTN routing.

This sheet is only a quick start guide and therefore does not cover all of the features of the PostX. Please refer to the manual found on the CD provided for full details.



CAUTION
ELECTROSTATIC
SENSITIVE DEVICE
OBSERVE PRECAUTIONS FOR
HANDLING

Basic Wiring

To start working with the PostX IP Reporting Module the following wires must be connected.

1. 10-30VDC Power connected to V+ and V-
2. Ethernet Cable
3. Connect the PostX's Rp (Ring) and Tp (Tip) to the existing Alarm Panel's modem.
4. Connect to the external phone line Ri (Ring) and Ti (Tip) if you are using the outbound modem connection.

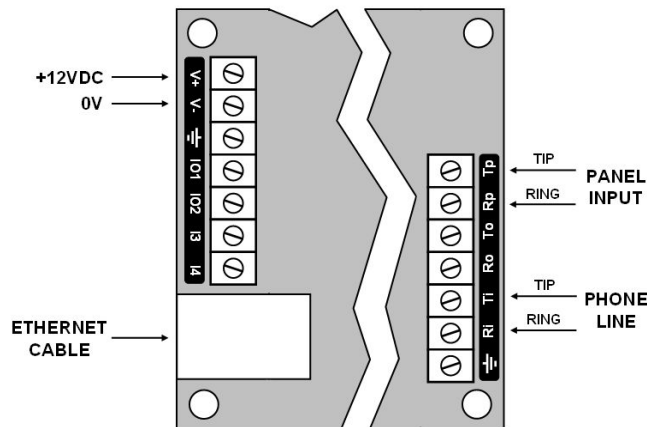


Figure 1 - Basic Wiring Connections

Establishing a Connection

Configuration of the PostX Module is done through the Ethernet interface. Therefore the next step is to establish an Ethernet connection with the device. If possible use one of the following options to establish a connection, if neither of these is possible consult the Installation Manual.

Option 1 – Use the Static IP Address

The default IP address of a PostX is 192.168.1.2.

1. Make sure your PC has an IP Address on the same subnet as the PostX (i.e. The PC's IP Address must be 192.168.1.xxx).
2. Connect to the PostX either directly to your PC, or plugging the PostX into a switch/router on the same network as your PC.

Option 2 – Use a Dynamic IP Address (DHCP)

The PostX supports Dynamic IP Address Allocation (DHCP), to use this there must be a DHCP server on the network you are attempting to connect to. To start DHCP complete the following steps:

1. Hold the DEFAULT button down until both the STS and PST LED's are flashing together.
2. Press the DEFAULT button twice, making sure the PNL LED flashes for each button press.
3. Wait until only the STS LED is flashing, the PostX will now start the DHCP service an attempt to obtain an IP Address.
4. Use "ICTNET Module Sniffer" (found on the CD) to find out the IP Address that has been assigned to the PostX.



Do not press the DEFAULT button during start up; this will force the PostX into a Boot mode. You must restart the PostX to exit Boot mode.

Configuration

By default the PostX IP Reporting Module is shipped with no options enabled and needs to be set correctly for the desired operation.

1. Open Internet Explorer (or similar) and type the IP Address of your PostX into the address line (e.g. <http://192.168.1.2>).
2. When the login page appears login in with the user name 'admin' and password 'admin'.
3. Once logged in click on 'Routing Setup' on the left side of the page.
4. Select the mode you want the PostX to operate in and enter all appropriate details.

IP Reporting Mode

In this mode the PostX will send any Ademco Contact ID messages that it receives from the connected Alarm Panel to the IP Address configured. To set this up change the mode to be 'IP Reporting' and enter the primary IP Address into the IP 1 field, this is the IP Address of the monitoring station you wish to report to.

Before setting these options you must contact your Monitoring station to find out the IP Address(s), port and the reporting format they use.

To use a backup IP connection set IP 2 to be non-zero. After eight failed attempts of sending a message to IP 1 the PostX will then attempt to send the message to IP 2. If the 'Backup the IP connection to the PSTN connection' option is checked and the PostX fails to send the message to IP 2

then it will attempt to send the message using the phone number in PSTN 1. If the message cannot be sent the PostX will attempt to send it using PSTN 2 if there is a phone number configured.

PSTN Routing Mode

In this mode the PostX will only attempt to send the received Contact ID messages using the modem to the phone numbers that are configured. It discards the phone number the Alarm Panel is attempting to report to and will only report to the phone numbers configured.

The PostX will attempt to dial the phone number configured in PSTN 2 if it cannot connect to a monitoring station using the phone number in PSTN 1.

Testing

Once you have configured the PostX click the 'Events' link on the left side of the webpage. This will display the last 32 events the PostX performed. From this you can easily see if it is operating as expected.



The Event buffer on the PostX is only 32 events long and is erased when power is lost. It is intended to be used for diagnostic purposes only.

Email Events

The PostX IP Reporting Module can be configured to send an Email when an inbound message is received from the attached panel. This can be sent on every event that is received, or once the event buffer is full (approximately 8 messages).

Input and Output Control

The PostX IP Reporting Module has 2 configurable ports that can be either an Input or an Output and 2 fixed Inputs.

Each input is independently configured and can send Contact ID events or Emails when the input state changes.

The outputs can be used to indicate when communication has been lost on both the IP and phone line interfaces.