To connect and install the IP150:

1) Connect the 4-pin serial cable between the panel’s serial connector and the IP150’s panel connector (see Figure 2).
2) Connect the Ethernet cable between the router and the IP150’s network connector (see left side view in Figure 2).
3) The onboard LEDs will illuminate to indicate the IP150’s status (see front view in Figure 2).
4) Clip the IP150 to the top of the metal box (see Metal Box Installation in Figure 2).

Connecting and Installing the IP150

Figure 2: IP150 Overview

Connecting and Installing the IP150:

1) Ensure that the router is connected properly as indicated in the router’s instructions or on a sticker on the router.

Step 1: Setting up the Router

This step allows you to set up the system so that the IP150 module can function properly.

1) Ensure that the router is connected properly as indicated in the router’s instructions.

2) Access your router’s configuration page. Refer to your router’s manual for the exact procedure. In most cases, this is done by entering the router’s static IP address in the address bar of your Web browser. For this instance, we will use 192.168.1.1 as an example for the router’s IP address that may be indicated in the router’s instructions or on a sticker on the router.
Step 3: Setting up ParadigmMyHome (optional)

This step is not needed if the IP address provided by the Internet Service Provider is static. Using the ParadigmMyHome service will allow you to access your system over the Internet with a dynamic IP address. The IP150 will then poll the ParadigmMyHome server to keep the information updated. By default, the ParadigmMyHome service is disabled (enable it on the IP150 Module Configuration page).

To setup the ParadigmMyHome service:
1) Go to www.paradigmyhome.com, click Request Login and provide the requested information.
2) Start the Paradigm IP Exploring Tools software and right-click the IP150.
3) Select Register to ParadigmMyHome.
4) Enter the requested information. Enter a unique SiteID for the module.
5) When registration is complete, you can access the IP150 page by going to: www.paradigmyhome.com/[SiteID].

NOTE: If there are issues with connecting to the IP150, try making the polling delay shorter (configured on the IP150 webpage interface), so that the IP information available for the ParadigmMyHome connection is up to date. However, a shorter delay for the polls will increase the traffic on the Internet (WAN).

Step 4: Using a Web Browser to Access the System

Once the module is configured, it can be accessed either from the local network or through the internet using the alarm system's user code or user IP150 password.

On-Site Access:
1) Enter the IP address assigned to the IP150 in the address bar of your Web browser. If you have used a port other than port 80, you must add the port number at the end. For example, if the port used is 81, the IP address entered should look like this: http://192.168.1.250:81. For a secure connection, make sure to write https://...etc. .
2) Enter the alarm system's User Code and IP150 user password (default: paradox).

WARNING: A pop-up warning you that the website's certificate is not secure may occur. This is acceptable, click to continue.

Off-Site Access:
1) Go to www.paradigmyhome.com/siteID (replace 'siteID' by the 'siteID' you used to register with the ParadigmMyHome service).
2) Enter your alarm system's User Code and IP150 password (default: paradox).

Inputs and Outputs

The IO terminals can be configured on the IP150 webpage. Each I/O can be defined as either an input or an output. The I/O terminals can only be defined from the IP150 web interface. They are independent from the panel and cannot be related to any panel event. An output can only be triggered from within the IP150's web interface.

The method of activation is either Toggle or Pulse. If set to Toggle, a delay before activation can be defined. If set to Pulse, a delay before activation and duration can be defined. See figures 4 and 5 for examples of input and output connection types.

NOTE: I/O terminals are not available when connected to UC300.

 CCTV

Table: Technical Specifications for the IP150 Internet Module

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Compatibility</td>
<td>Any Esprit E65 V2.10 or higher</td>
</tr>
<tr>
<td>Specification</td>
<td>Any Spectra SP series panel (V4.42 or IP reporting)</td>
</tr>
<tr>
<td>Enclosure</td>
<td>Any MG5000 / MG5050 panel (V4.42 for IP reporting)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Any Spectra ES5 (does not support IP reporting)</td>
</tr>
<tr>
<td>Voltage Requirements</td>
<td>Exp 551 V3.0 or higher</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>UTP connection for internet exposure or trigger and receive inputs to or from Trigger, short X ray</td>
</tr>
<tr>
<td>Resolution</td>
<td>R76 &amp; R96 / NED &amp; RBC4</td>
</tr>
<tr>
<td>LCD Contrast</td>
<td>UTP connection for internet exposure or trigger and receive inputs to or from Trigger, short X ray</td>
</tr>
</tbody>
</table>

Warranty

For more information on the warranty please refer to the United States Statement. Based on the U.S. views on parallel port terms, one of the Paradigm product guidelines is an example of all open source software. In this document, all software is categorized as "open source". The software is intended for individual use only and is not to be redistributed. The open source software license agreement is available at the United States Statement.