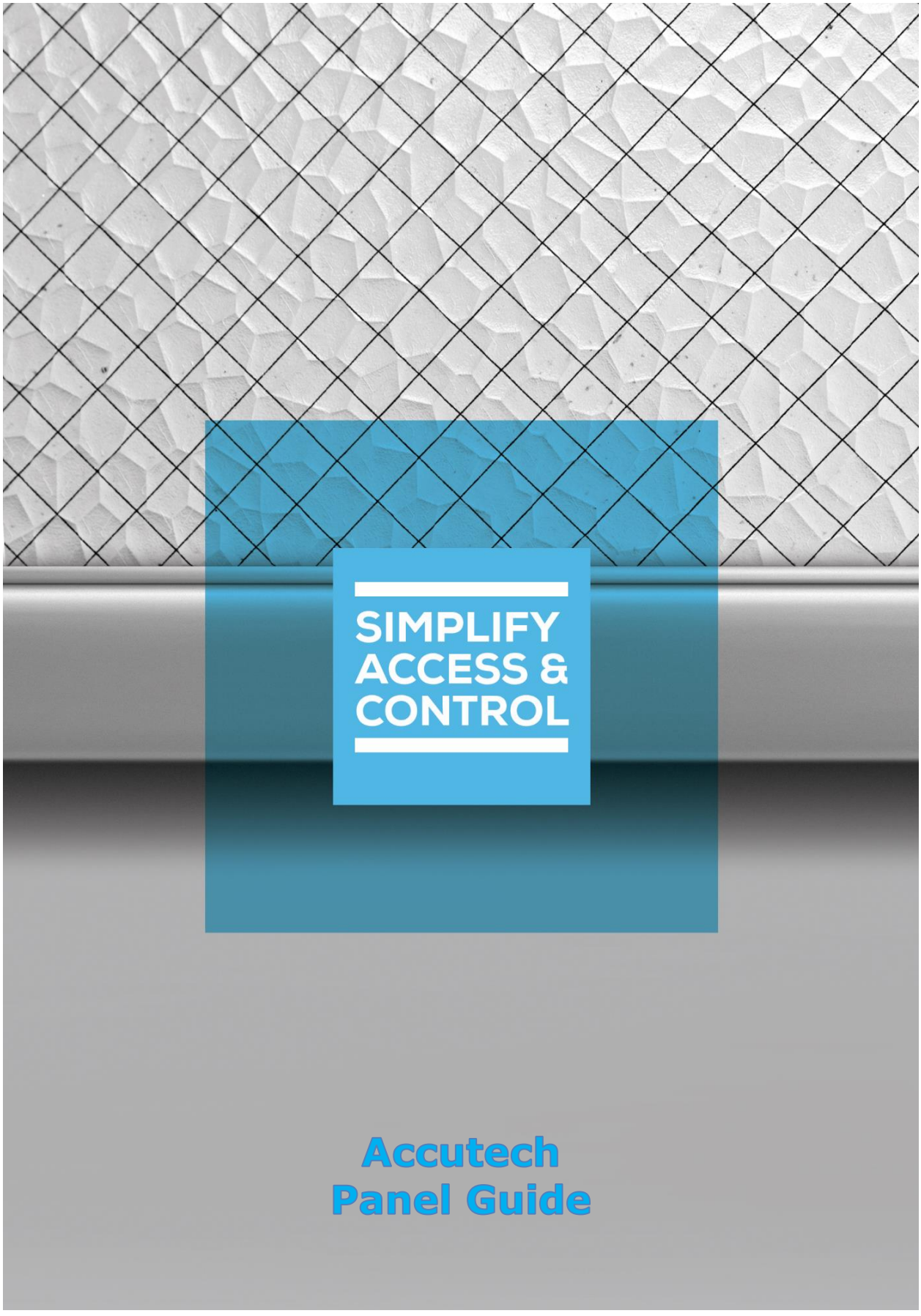

Accutech Panel Guide

Intelli-Site
Security Management Software

Accutech
Panel Guide

For Windows 7 Professional and Ultimate,
Windows 8.1 Pro and Enterprise,
Windows 10 Pro and Enterprise,
Server 2008 R2, and Server 2012 R2

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Technical Support

Technical support is available via Telephone or Email. Contact Intelli-Site Technical Support 8:00 AM to 5:00 PM Central Standard time. If calling after hours, please leave a detailed voice mail message, and someone will return your call as soon as possible.

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When calling, please be at the computer prepared to provide the following information:

- Product version number, found by selecting the **About** button from the Intelli-Site Application Menu.
- Product License and SMA numbers used for registration.
- The type of computer being used including, operating system, processor type, speed, amount of memory, type of display, etc.
- Exact wording of any messages that appear on the screen.
- What was occurring when the problem was detected?
- What steps have been taken to reproduce the problem?
- It is highly recommended that the user execute a System Information Report and export that report to Adobe .pdf format for transmission to Intelli-Site technical support staff.

Table of Contents

1 Introduction

Intelli-Site supports the Accutech IS and Accutech LS panels.

The behavior and interaction of the Accutech IS and Accutech LS panels with Intelli-Site are virtually identical. Instructions for the Accutech IS panels are identical to the instructions for the Accutech LS panels. Therefore, this guide simply states Accutech to infer either panel type. When a statement pertains to a specific Accutech panel type, that panel type is specifically named.

2 Installation

The Accutech drivers in Intelli-Site must be installed. No external software is needed.

If Intelli-Site has been installed without the Accutech drivers, run the Intelli-Site installer again and select **Modify**.

During the Intelli-Site installation or modify installation process, you are presented with the **Select the drivers you want to install** window.

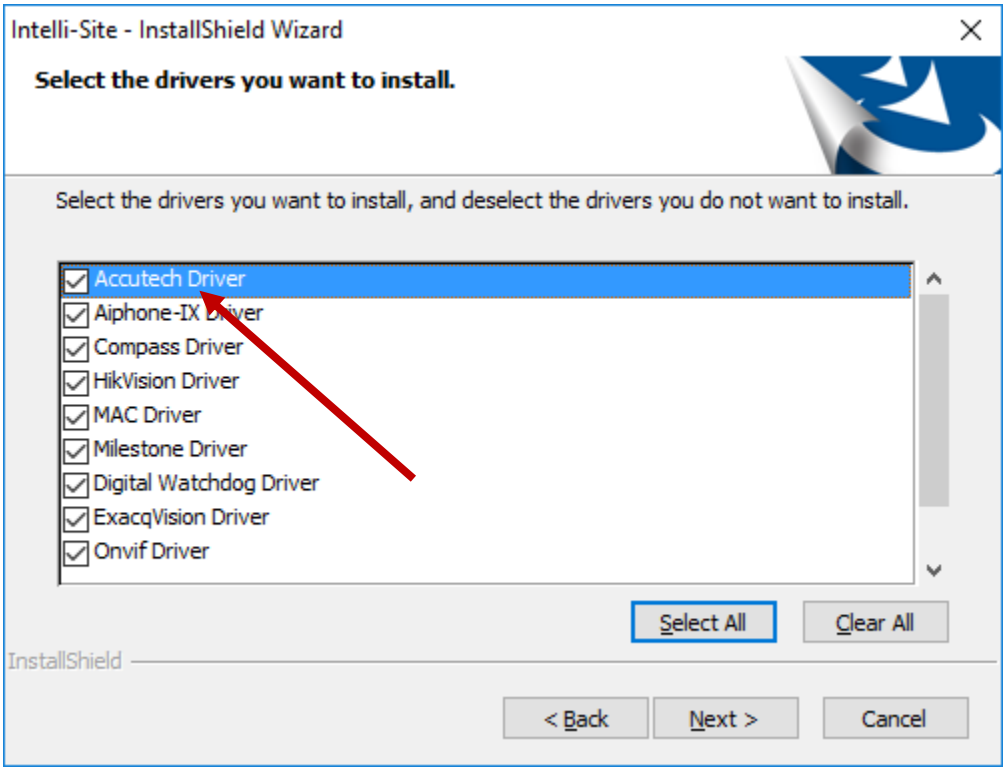

Figure 1 - Select the drivers you want to install

Ensure the **Accutech Drivers** option is checked then continue with the installation or modification.

3 Hardware Management View

The Accutech Driver and Accutech panel are best configured in **Hardware Management View**. Once configured, the panels can be easily monitored and controlled using their panel control screens.

3.1 Setup

The Accutech Driver and Accutech panel are best configured in **Hardware Management View**. Before we begin though, it is a good idea to have the IP address of the network adapter as well as the panel addresses of each of the panels to which it communicates written down.

Once the above information is obtained, the setup process is straight forward.

1. Add an Accutech Driver
2. Add a Communication Method to the driver
3. Add an Accutech Panel
4. Configure the Accutech Panel
5. Enable the Accutech Driver

3.1.1 Add an Accutech Driver

Adding an Accutech Driver is simple, but important. Without it, no communication with the Accutech IS or LS panels can occur.

Launch the Desktop Client and login.

Hardware is managed in the **Hardware Management View**. If you are not in **Hardware Management View** (Figure 2), click on Menu and select .

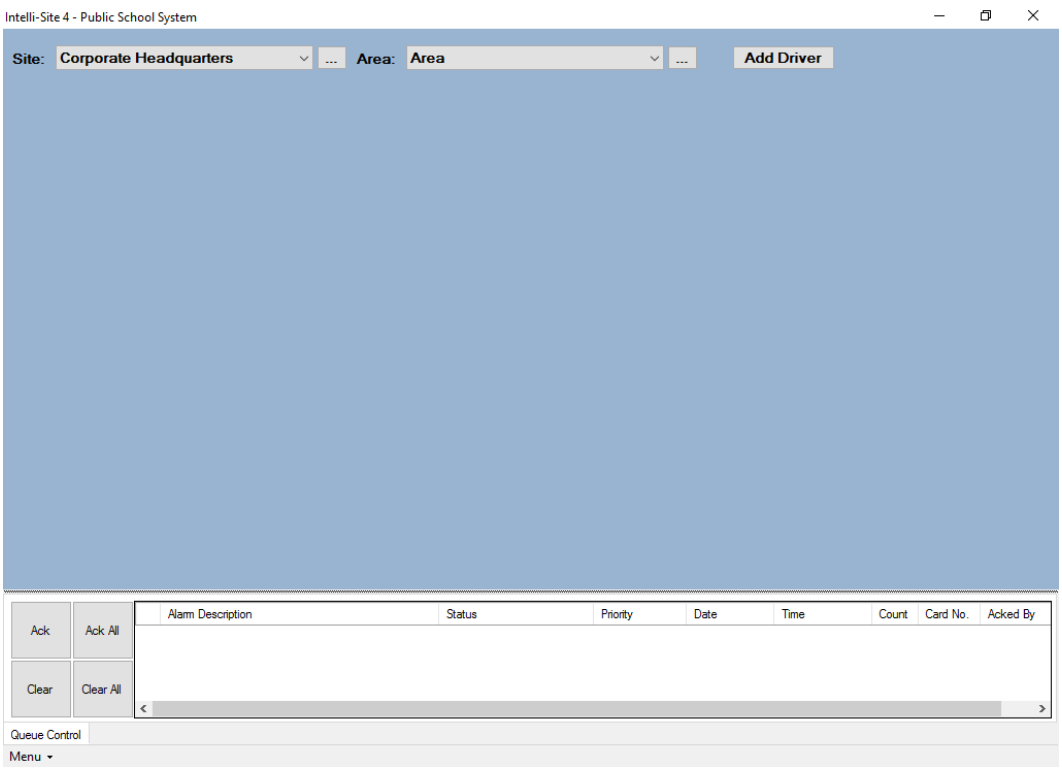

Figure 2 - Hardware Management View

To add the Accutech driver, click Add Driver. The **Choose Driver Type** dialog displays.

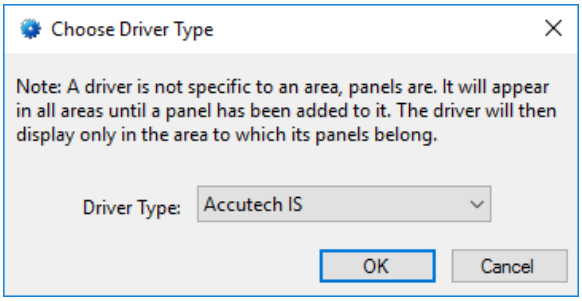

Figure 3 - Choose Driver Type Dialog

Select either *Accutech IS* or *Accutech LS* from the **Driver Type** drop-down menu in the **Choose Driver Type** dialog. If the panels are Accutech IS panels, choose *Acchutech IS*. *Accutech LS* is for Accutech LS panels. Click OK. A new Accutech driver icon is added to the screen and its properties dialog opens.

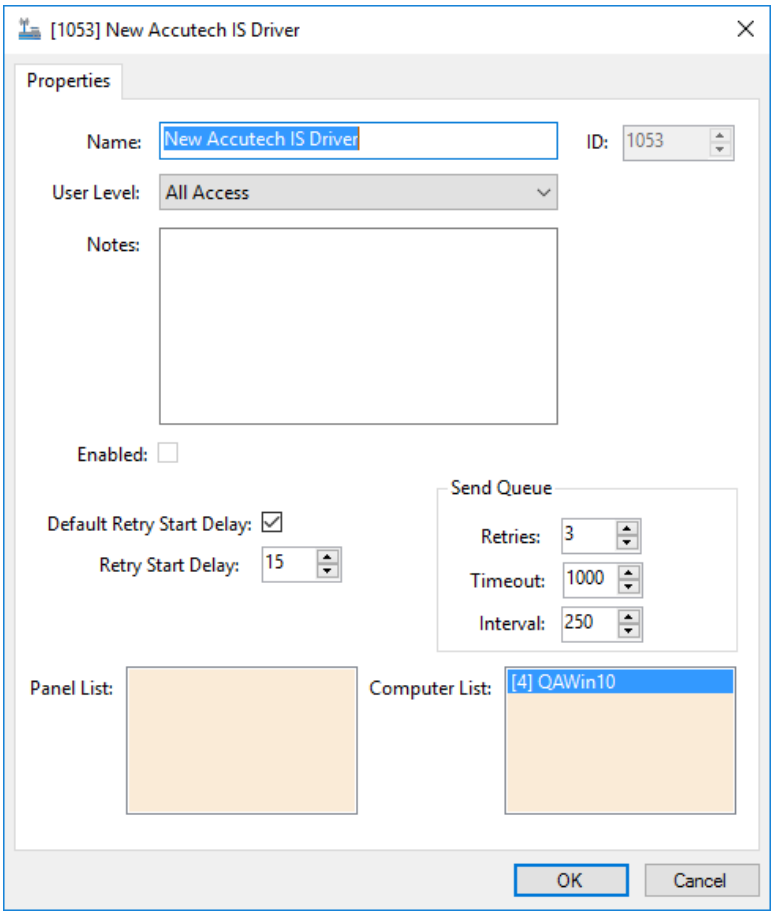

Figure 4 - Accutech Driver Properties Dialog

Please change the name of the driver to reflect the use and/or location of the panels that this driver will manage.

Note: For an explanation of all of the driver properties, see Accutech Driver Node.

Figure 5 - Accutech Driver Icon

Notice the warning icon,  . This appears when the driver needs a communication method. So, let's add one.

3.1.2 Add a Communications Method

Each Accutech driver type must have a communication method defined and configured. Without one, the Intelli-Site Driver Service does not know where or how to communicate with the panel.

The communication method is added using the right-click context menu on the driver. Right-click on the driver icon and hover over *Comm Method*. The side menu opens. At this time it only has one option, *Add Comm Method.* Select it. The **Choose Communication Method Type** dialog appears.

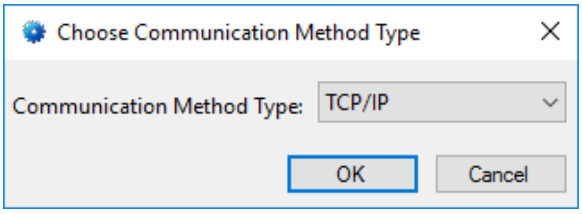

Figure 6 - The Choose Communication Method Type dialog

There is only one communication method for the Accutech drivers and that is TCP/IP. Click OK. A new TCP/IP communication method node is added to the driver and its properties dialog opens.

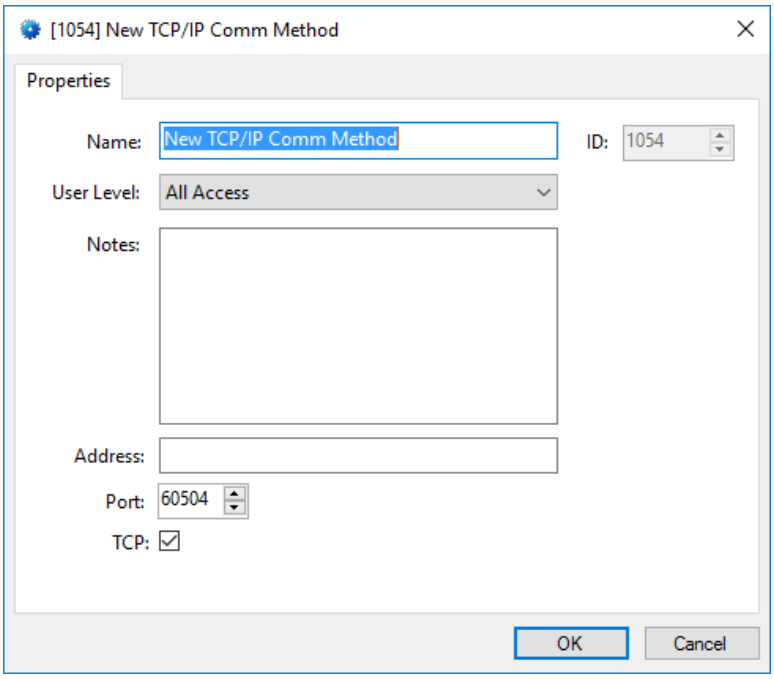

Figure 7 - The TCP/IP Communication Method properties dialog

Note: For a full explanation of all of the fields on this dialog, please read Communication Method Node.

This is where the IP address of the network interface goes. Enter it in the **Address** field. The **Port** number is the default port number for the network interface. If for some reason, the network interface is set up at a different port, enter the new port here as well. Please change the name and click OK.

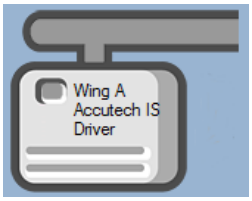

Figure 8 - The driver icon with a communication method

Notice the warning icon is no longer on the front of the driver icon.

It's now time to add a panel to the driver.

3.1.3 Add an Accutech Panel

Once an Accutech driver has been added, it's time to add an Accutech panel to it.

Right-click on the Accutech Driver and select *Add Panel*. The **Add Panel** dialog displays.

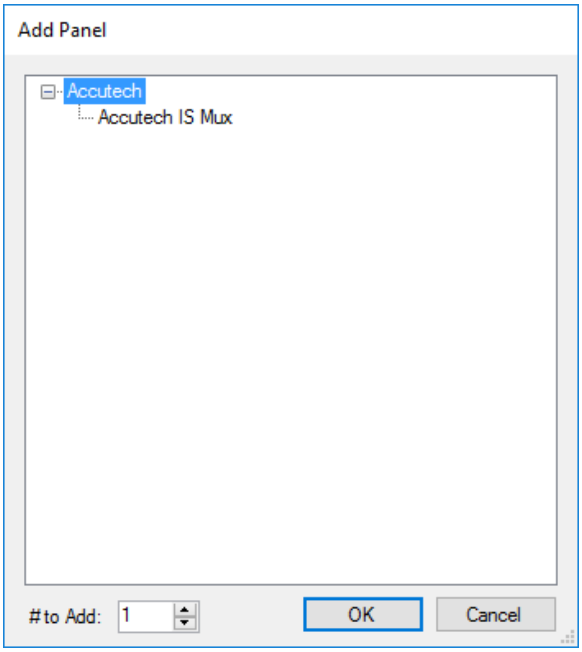

Figure 9 - Add Panel Dialog

This dialog only displays the panels that are appropriate for the target driver. In this case, the target driver is an **Accutech IS** driver; therefore, only **Accutech IS Mux** is a valid panel type. If the target was an **Accutech LS** driver, then the valid panel type would be **Accutech LS PHD**. Select the appropriate Accutech panel. Change the value of **# to Add** to the number of panels this driver will control. Additional panels can be added later. Click OK. A **New Accutech IS** or **New Accutech LS** icon is added to the target Accutech driver.

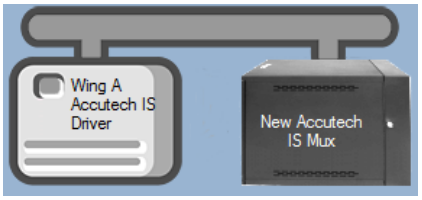

Figure 10 - A new Accutech panel attached to an Accutech driver

Next comes configuring the panel(s).

3.1.4 Configure the Accutech Panel

The Accutech panel is configured using the **Quick Config** dialog. To open the **Quick Config** dialog, right-click on the Accutech icon and select *Quick Config*.

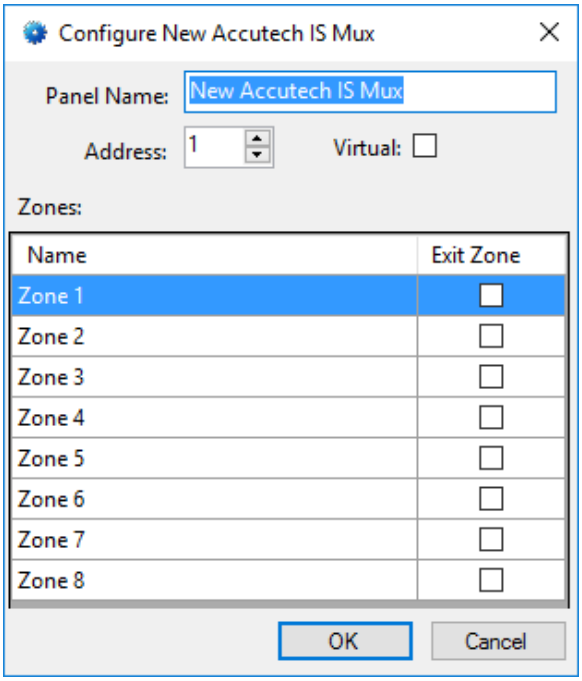

Figure 11 – Accutech IS Panel Quick Config Dialog

Change the **Panel Name** to describe its use or location. In our example, it is the access control panel for Wing A.

Set the **Address** to the panel address of the Accutech panel.

Give each zone a name that corresponds to its location and usage. If applicable, check the **Exit Zone** checkbox. Then click OK.

Note: The Accutech LS has 30 Zones. Each zone that is used should be named appropriately. For more information on all of the fields and properties of an Accutech panel, see Accutech Panel Node.

3.1.5 Enable the Accutech Driver

At this point, the Accutech panel and the Accutech driver are configured, but the driver is not online. A quick way to know this is that the communication indicator is grey.

Figure 12 – Disabled Accutech Driver

Right-click on the driver to open the context menu; select *Enable Driver*. The communications indicator will change color to green when it's online.

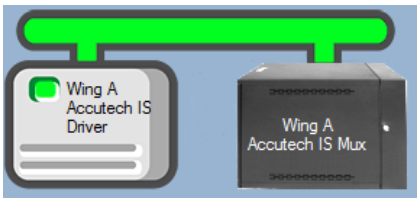

Figure 13 - Enabled Accutech Driver

If for some reason the Engine cannot connect to the Driver Service or the Driver cannot connect to the Accutech, the communication indicator will be red.

Figure 14 - Enabled Accutech Driver that is not communicating with the Driver Service

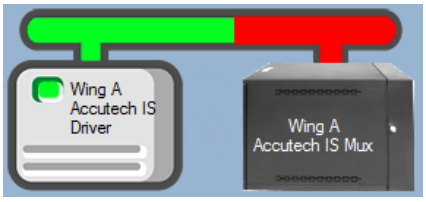

Figure 15 - Enabled Accutech Driver that is communicating with the Driver Service but NOT the panel

Congratulations! The Accutech is integrated and ready to use in screen design for **Live View**. Screen design occurs in **Design View**.

3.2 Panel Control Screen

Every Accutech panel has a **Panel Control Screen**. From this screen, the user can monitor the current state of the panel and all of its zones and alarms.

Clicking on the panel icon opens the **Panel Control Screen** of the target panel. The content of the screen is dictated by the panel. Obviously, Accutech IS panels have eight (8) zones and Accutech LS panels have thirty (30).

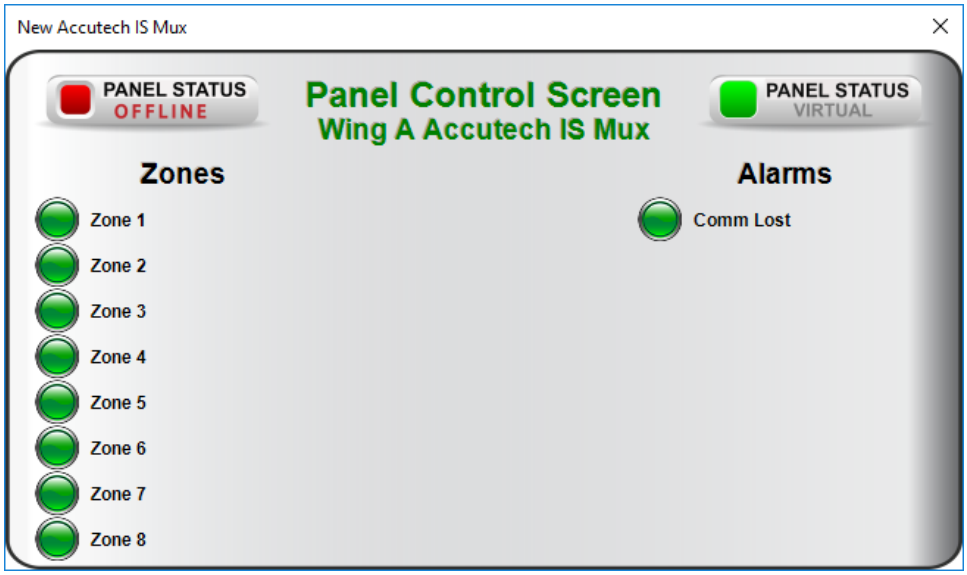

Figure 16 - Sample Accutech IS Mux Panel Control Screen

4 Design View

Design View is the home of the Project Node Tree and the place where screens and screen objects are programmed. The following sections explain the Accutech Driver node properties, the Accutech node properties, and screen object programming especially the automatically created screen objects.

4.1 Accutech Driver Node

The Accutech driver node is found by expanding **Setup->Computer Setup->Drivers**.

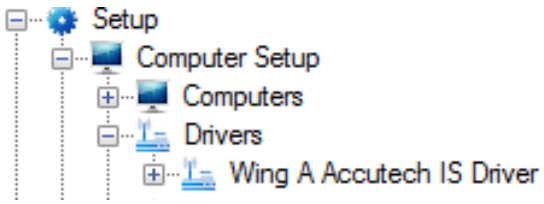

Figure 17 - Accutech Driver node in the Project Node Tree

Right-click on the Accutech driver node and select *Properties* to open the properties dialog.

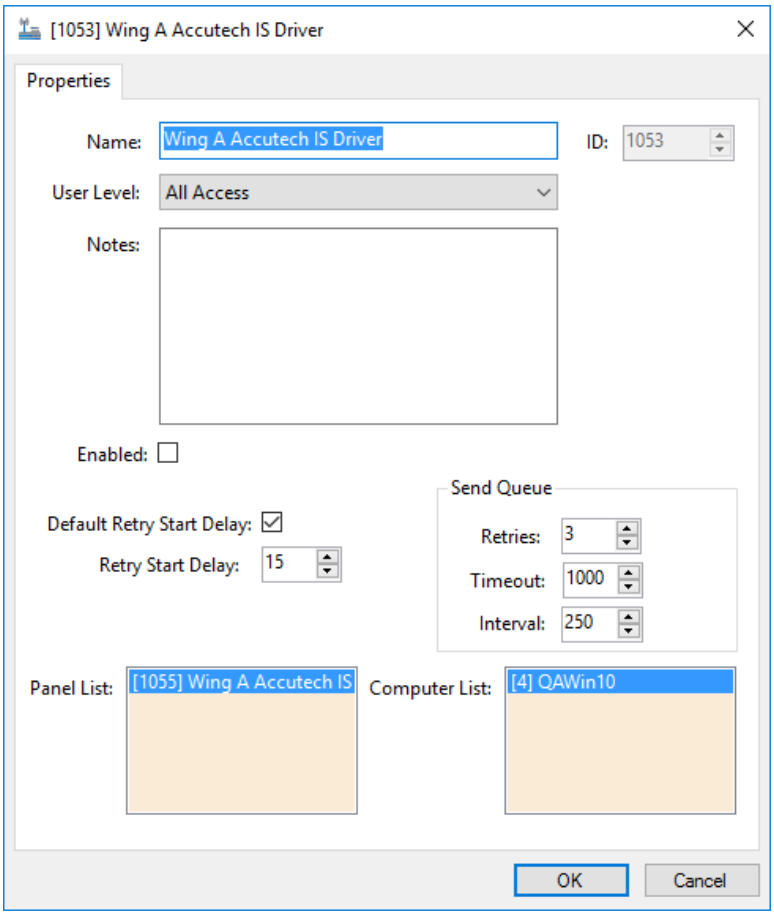

Figure 18 - Accutech Driver properties dialog

Name – edit box; the name for the node; the name doesn't have to be unique

ID – numeric (disabled); the unique identifier of this node; generated by Intelli-Site

User Level – drop-down menu (default: All Access); the User Level a user must possess to open the properties for this node

Notes – multiline edit box; any notes the user may have for the node

Enabled – check box; when checked the driver is enabled

Default Retry Start Delay – check box (default: checked); if the driver did not connect, pause before attempting to connect again

Retry Start Delay – numeric (default: 15); number of seconds to wait between retries on connection attempts

Retries – numeric (default: 3); number of retries for sending a packet

Timeout – numeric (default: 1000); number of milliseconds to wait for a response before assuming the packet was not received

Interval – numeric (default: 25); number of milliseconds to wait after a timeout before sending the packet again

Panel List- drop box; the Accutech nodes attached to this driver

Computer List – drop box (default: the computer on which the Engine is running); the computer node on which this driver is running

4.2 Communication Method Node

The communication method node is a child of the driver.

Figure 19 - Communication Method node in the Project Node Tree

Right-click on the node and select *Properties* to open the properties dialog.

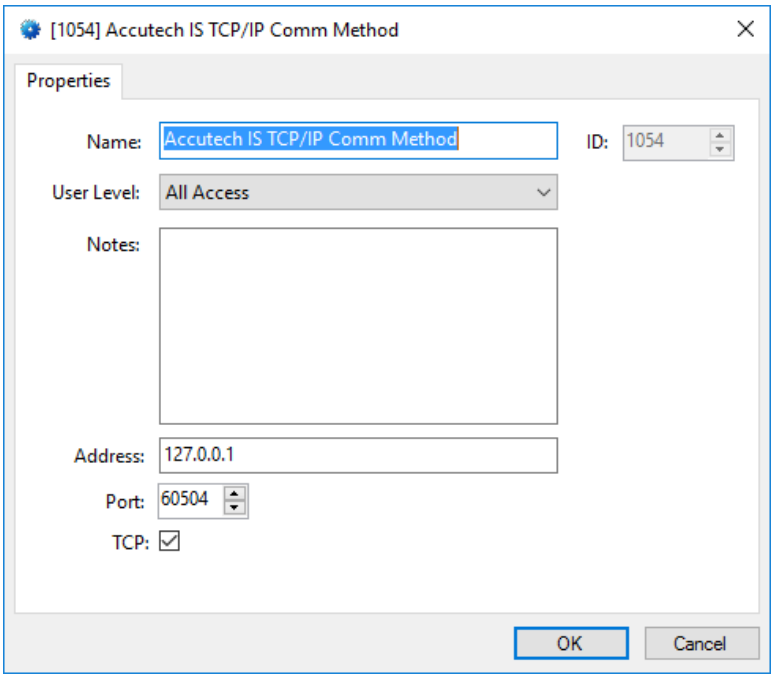

Figure 20 - Communication Method node properties dialog

Name – edit box; the name for the node; the name doesn't have to be unique

ID – numeric (disabled); the unique identifier of this node; generated by Intelli-Site

User Level – drop-down menu (default: All Access); the User Level a user must possess to open the properties for this node

Notes – multiline edit box; any notes the user may have for the node

Address – edit box; the IP address of the panel

Port – numeric (default: 60504); the TCP or UDP port number

TCP- checkbox (default: checked); when checked, the driver will communicate with the panel using TCP; when not checked, the driver assumes UDP is the desired communication protocol

4.3 Accutech Panel Node

The Accutech panel node is found by expanding **System Layout** then the Site and Area to which the Accutech panel was added in **Hardware Management View**. In the example below, the panel was added to the site **Corporate Headquarters** and the area **Area**.

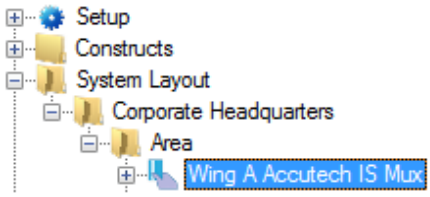

Figure 21 - The Accutech panel node in the Project Node Tree

The Accutech panel node is the root node for the panel. The following sections will explain:

- The properties of the Accutech panel node
- The configuration of the Accutech panel (a.k.a. **Quick Config**)
- The child nodes of the Accutech panel

4.3.1 Accutech Panel Node Properties

Right-click on the Accutech panel node to open the properties. These fields are not accessible through the **Quick Dialog** dialog except for **Name**, **Address**, and **Virtual**. They correspond to those features that aren't part of the day to day running of the system.

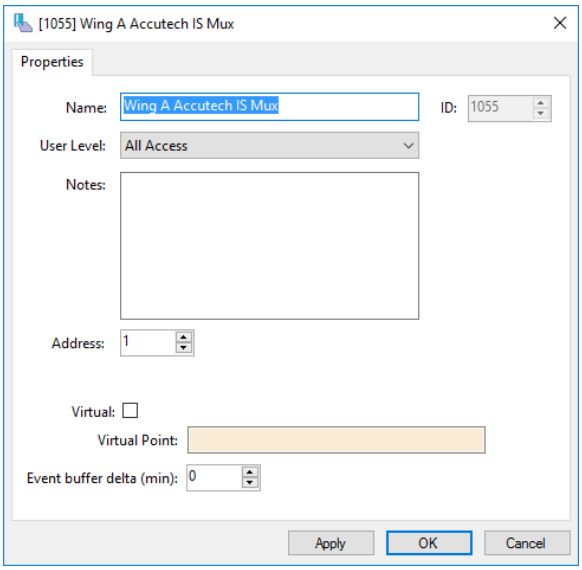

Figure 22 - Accutech node properties dialog

Name – edit box; the name for the node; the name doesn't have to be unique

ID – numeric (disabled); the unique identifier of this node; generated by Intelli-Site

User Level – drop-down menu (default: All Access); the User Level a user must possess to open the properties for this node

Notes – multiline edit box; any notes the user may have for the node

Address – numeric; the address of the Accutech

Virtual – check box; when checked the panel is virtualized, allowing the driver to be brought online without having the physical panel available

Virtual Point – drop box; this I/O Point will be set when the panel is virtualized, clear when it is not

Event buffer delta (min) – numeric (default: 0); only applies to panels that buffer data; the Engine compares the time an event occurs versus the current time, if the difference is greater than the **Event buffer delta**, the event is logged but not acted upon

4.3.2 Accutech Panel Quick Config

The **Quick Config** dialog is accessible either in **Hardware Management View** or in **Design View**. To open the **Quick Config** dialog, right-click on the Accutech panel node and select *Quick Config*.

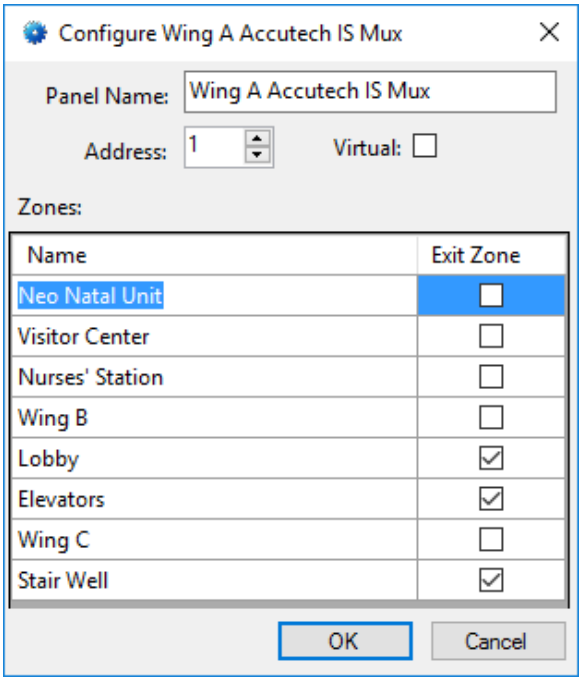

Figure 23 - Accutech panel Quick Config dialog

Panel Name – edit box; the name of the Accutech panel; updating this field will change the name of the node

Address – numeric; the address of the Accutech panel

Virtual – check box; when checked the panel is virtualized, allowing the driver to be brought online without having the physical panel available

Zone # **Name –** edit box; the name for each zone controlled by this Accutech panel; Accutech IS can control up to 8 zones; Accutech LS can control up to 30 zones

Exit Zone – checkbox; check if this zone is an exit zone

4.3.3 Accutech Panel Child Nodes

Accutech is a panel that controls egress from zones. In addition, it reports the current state of each zone it controls.

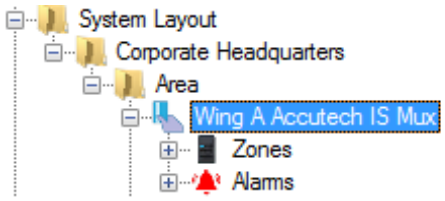

Figure 24 - Accutech panel child nodes

Every Accutech panel has a **Zones** child node and an **Alarms** child node. The **Zones** child node contains the zone points. The **Alarms** node contains the alarm points for the panel.

4.3.3.1 Zone Nodes

Under the **Zones** node are the individual zone nodes. Each zone node is an I/O point with a couple extra fields on the main tab. Because they are I/O points, they are high when the zone is active and low when it is not. In addition, each zone node has child nodes that are the possible sub-states for the zone.

4.3.3.1.1 Zone Node Properties

Each zone node is an I/O point with a couple extra fields on the main tab.

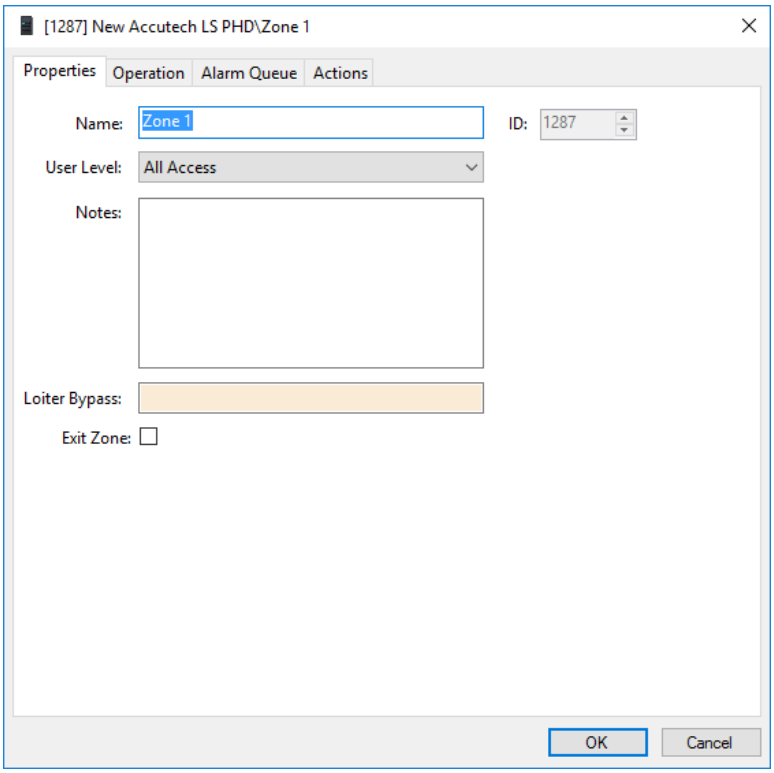

Figure 25 - Zone Properties dialog

In addition to the standard fields, **Name**, **ID**, **User Level**, and **Notes**, there are two new fields.

Loiter Bypass – drop-box; when this point is set, the Zone is in Loiter Bypass, Loiter events will be recorded

Exit Zone – checkbox; when checked, this Zone is an exit zone, the automatically created screen object for an exit zone has more states than the standard zone

For a full explanation of the other tabs on properties dialog, see the Intelli-Site User's Guide section 9.3 The Properties Dialog.

4.3.3.1.2 Zone States and Sub-States

A zone node is an I/O point. When a zone is active, the zone point will be high. In addition to reporting that a zone is active. The Accutech panel reports additional information about the activity. It reports when a zone is: **Normal**, **Reset**, **Supervision**, **Loiter**, **Ajar**, **Exit**, **Locked Down** and **Band Removal**. These additional states are mutually exclusive and are listed in the order of precedence and importance. **Normal** is least important. **Band Removal** is most important.

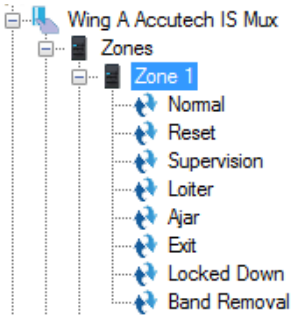

Figure 26 - Zone 1 child nodes

These nodes are also simple I/O points that are high when the zone is in the named state, and low when it is not.

4.3.3.2 Alarms

The alarms for the Accutech are located under the **Alarms** node. There are two (2) alarms: **Panel Status** and **Comm Lost**.

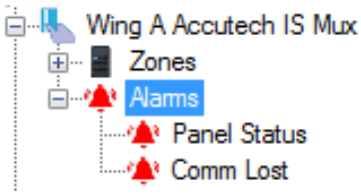

Figure 27 - Accutech panel Alarms child nodes

The **Panel Status** point is high when the panel is offline (assuming the driver is online and the panel is not virtualized). The **Comm Lost** point goes high when communication is lost to the panel. Like the other points of the Accutech panel, these points are I/O point nodes.

4.4 Using the Accutech Nodes

The Accutech nodes can be used in evaluation grids. Each has slightly different selection possibilities.

4.4.1 The Accutech Panel Node

The Accutech panel node can be used in the evaluation grid as well. The **Selection** options are blank, *Virtual*, or *Driver Offline*.

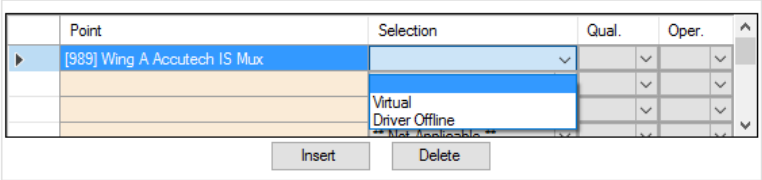

Figure 28 - Evaluation Grid using a Accutech panel node

4.4.2 The Zone Node

The Zone nodes can be used in an evaluation grid. The **Selection** options are the child nodes of the zone, namely, *Reset, Supervision, Loiter, LoiterBypass, Ajar, Exit, LockedDown* and *BandRemoval*.

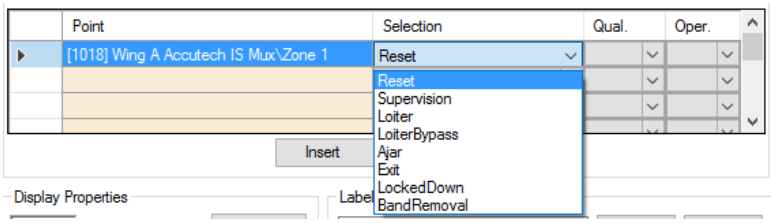

Figure 29 - Evaluation Grid using a Zone node

4.4.3 The Child I/O Point Nodes

Any I/O point node can be used in the evaluation grid just like any other I/O point in the system. The **Selection** field values are *State* or *Shunted*. This means any zone node, any zone child node, and any **Alarms** child node can be used in the evaluation grid.

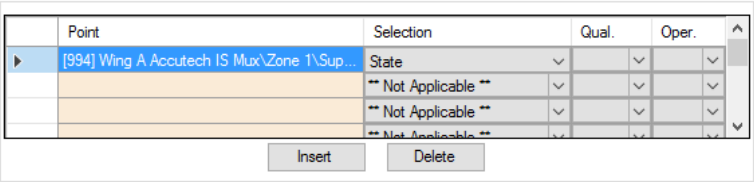

Figure 30 - Evaluation Grid using an I/O point node

4.5 Automatically Created Screen Objects

The zone nodes and their children can be used as evaluation points for the evaluation grids of screen objects. This allows the user to monitor the state of each zone.

Instead of programming the screen objects by hand, drag and drop the zone nodes onto the screen to automatically create screen objects that are programmed to display the state of the node. These screen objects imitate the LED lights from the old graphics panel days.

Note: ***When the zone is in the*** Normal ***state, the automatically created screen object is invisible because the*** *Frame Style* ***is*** **None*****. Use the*** *Show Hidden Items* ***tool to reveal all invisible screen objects.***

The states of the screen object are different based on the **Exit Zone** property.

4.5.1 Standard Zone Screen Object

The standard zone screen object has a total of three (3) states. These states are programmed to display when the zone is in specific states. It is important to note that there is an understood hierarchy of importance. A state with a greater number will take precedence of a state with a smaller number. The states of the screen object have been programmed to display the highest priority state at all times. For example,

Band Removal>>Supervision>>Invisible

The following sections describe each state.

4.5.1.1 State 0 - Invisible

State 0 is the base state, **Invisible**. It displays when none of the evaluation grids on any other state evaluate to true. This is the normal state.

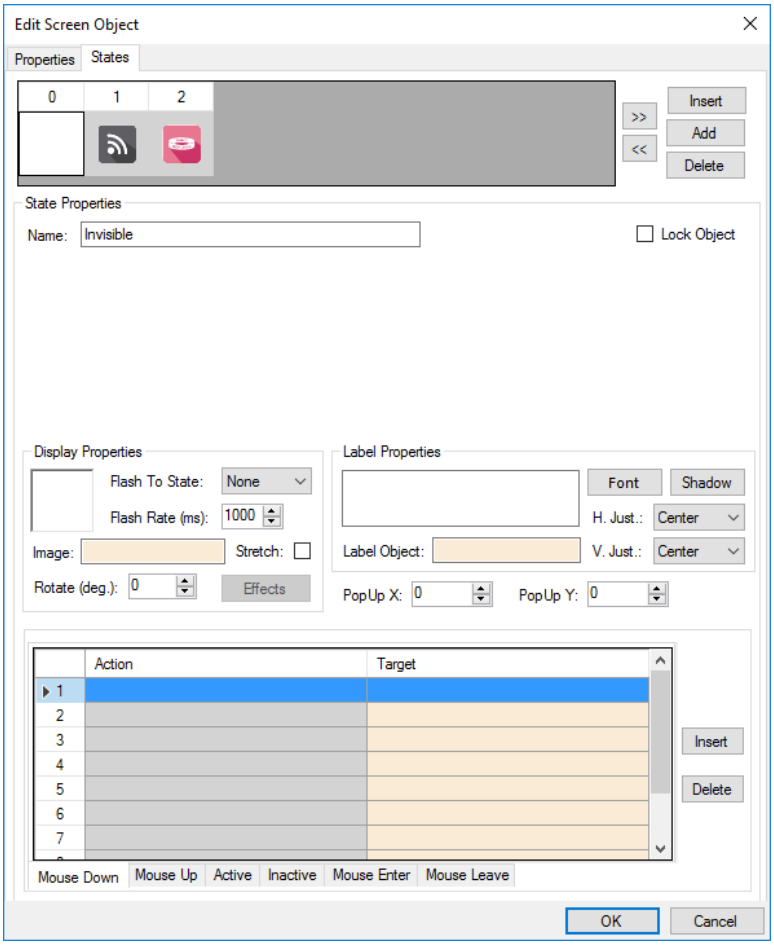

Figure 31 - Sample zone screen object properties dialog: State 0

Because the **Frame Style** field on the ***Properties*** tab is *None* and there is no image or label specified, this screen object is invisible.

4.5.1.2 State 1 – Supervision

State 1 is named **Supervision**. Notice the evaluation grid. When the zone is in the supervision state, when the **Supervision** point for the zone is high, the evaluation grid will return true. This state will display if none of the higher numbered states evaluates to true.

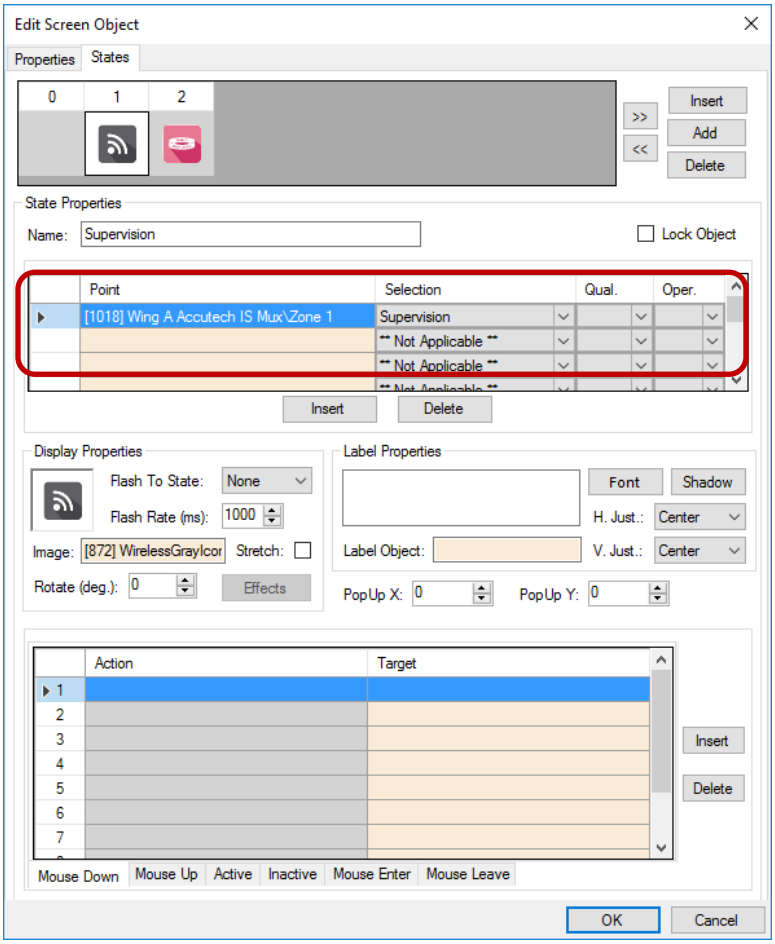

Figure 32 - Sample zone screen object properties dialog: State 1

The **Image** field contains an image file that is displayed when this state displays.

4.5.1.3 State 2 – Band Removal

State 2 is named **Band Removal**. Notice the evaluation grid. When the zone is in the band removal state, when the **BandRemoval** point for the zone is high, the evaluation grid will return true. This is the highest numbered state, it is the most important state and will always display when the zone is in the band removal state.

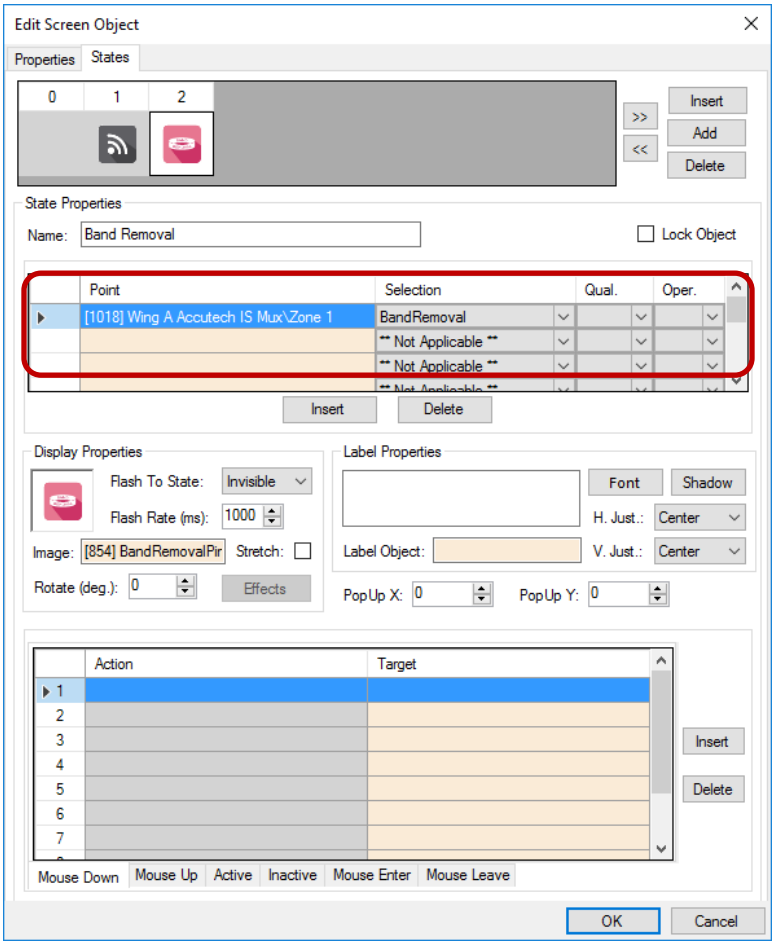

Figure 33 - Sample zone screen object properties dialog: State 2

The **Image** field contains an image file that is displayed when this state displays. This state flashes to the **Invisible** state to draw attention to it.

4.5.2 Exit Zone Screen Object

The exit zone screen object has a total of ten (10) states. These states are programmed to display when the zone is in specific states. It is important to note that there is an understood hierarchy of importance. A state with a greater number will take precedence of a state with a smaller number. The states of the screen object have been programmed to display the highest priority state at all times. For example,

Band Removal>>Supervision>>Normal

The following sections describe each state.

4.5.2.1 State 0 - Normal

State 0 is the base state, Normal. It displays when none of the evaluation grids on any other state evaluate to true.

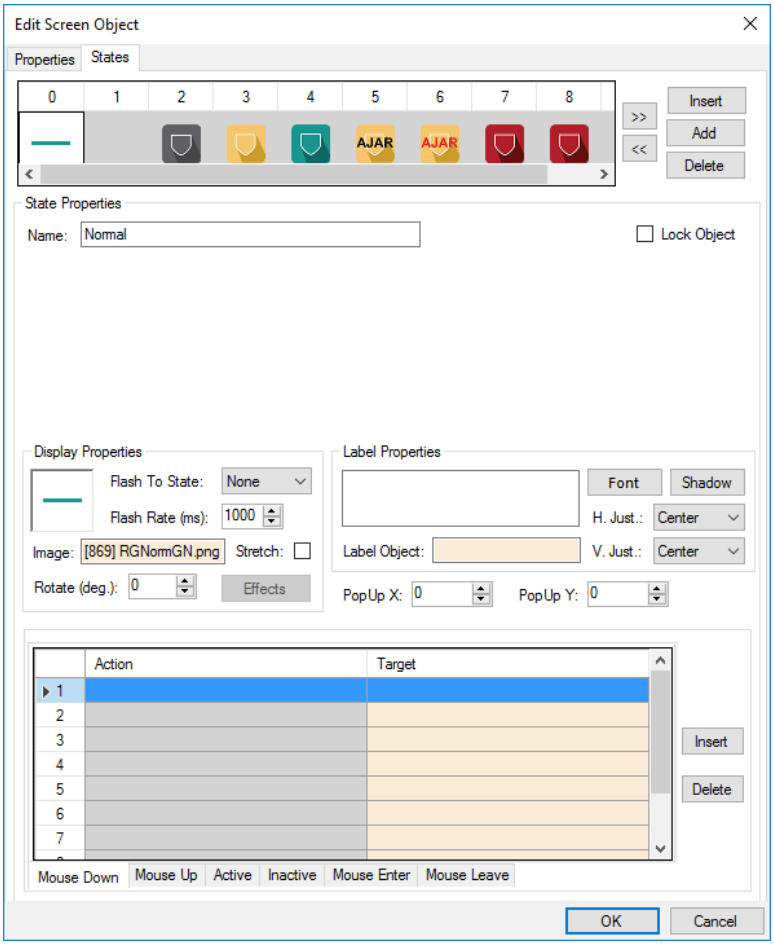

Figure 34 - Sample zone screen object properties dialog: State 0

Because the **Frame Style** field on the ***Properties*** tab is *None*. The **Image** field contains an image file that is displayed when this state displays.

4.5.2.2 State 1 – Invisible

State 1 is named **Invisible**. Notice the evaluation grid. It is empty. This is used as a "Flash To" state and will never display on its own.

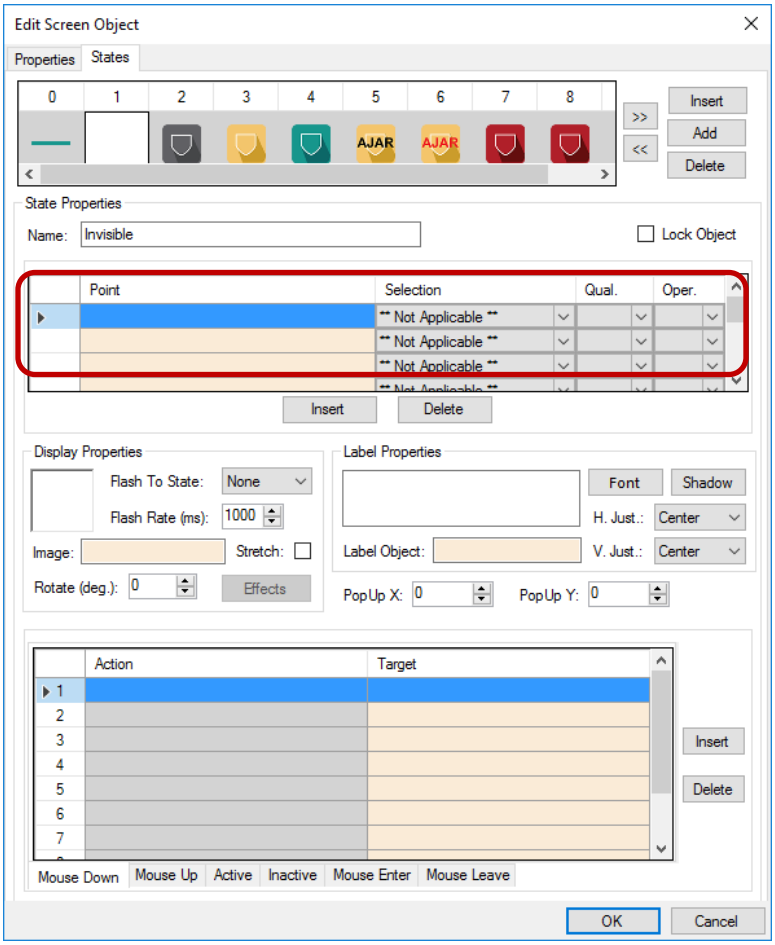

Figure 35 - Sample zone screen object properties dialog: State 1

4.5.2.3 State 2 – Supervision

State 2 is named **Supervision**. Notice the evaluation grid. When this zone is in supervision, when the **Supervision** point for the zone is high, the evaluation grid will return true. This state will display if none of the higher numbered states evaluates to true.

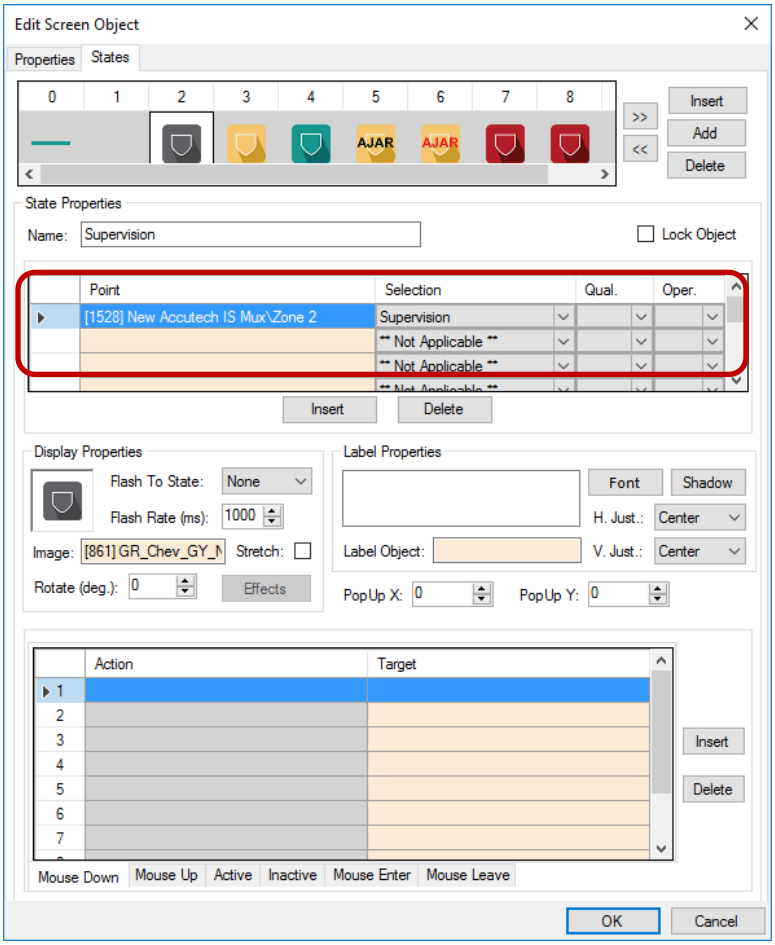

Figure 36 - Sample zone screen object properties dialog: State 1

The **Image** field contains an image file that is displayed when this state displays.

4.5.2.4 State 3 – Loiter

State 3 is named **Loiter**. Notice the evaluation grid. When the zone is in the loiter state, when the **Loiter** point for the zone is high, the evaluation grid will return true. This state will display if none of the higher numbered states evaluates to true.

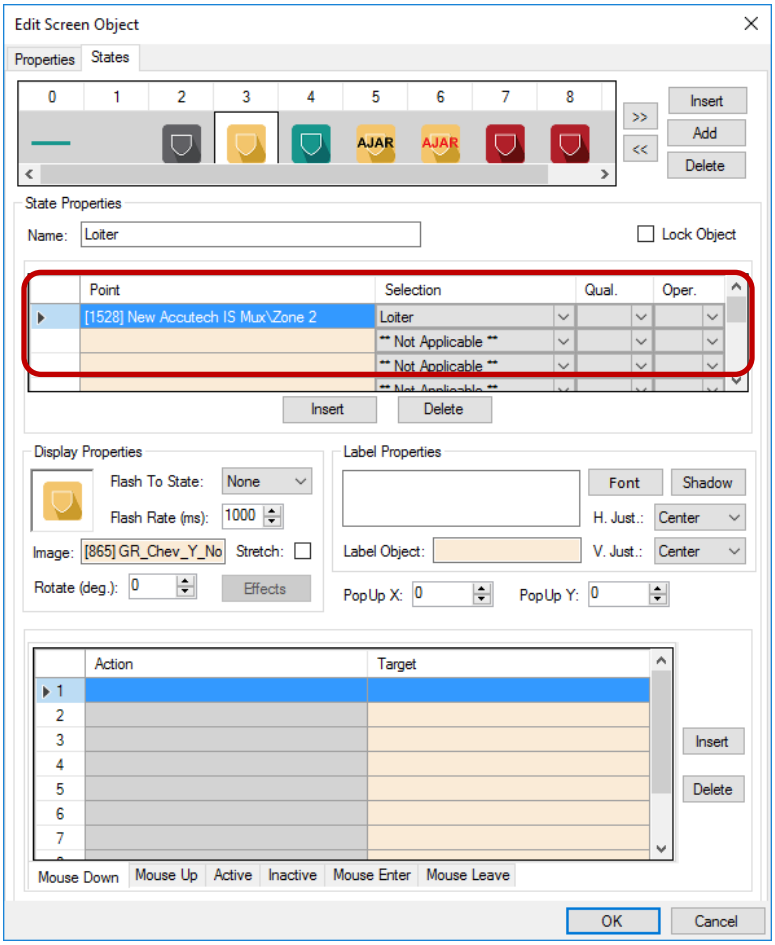

Figure 37 - Sample zone screen object properties dialog: State 2

The **Image** field contains an image file that is displayed when this state displays.

4.5.2.5 State 4 – Loiter Bypass

State 4 is named **Loiter Bypass**. Notice the evaluation grid. When the zone is in the loiter bypass state, when the **Loiter Bypass** point for the zone is high, the evaluation grid will return true. This state will display if none of the higher numbered states evaluates to true.

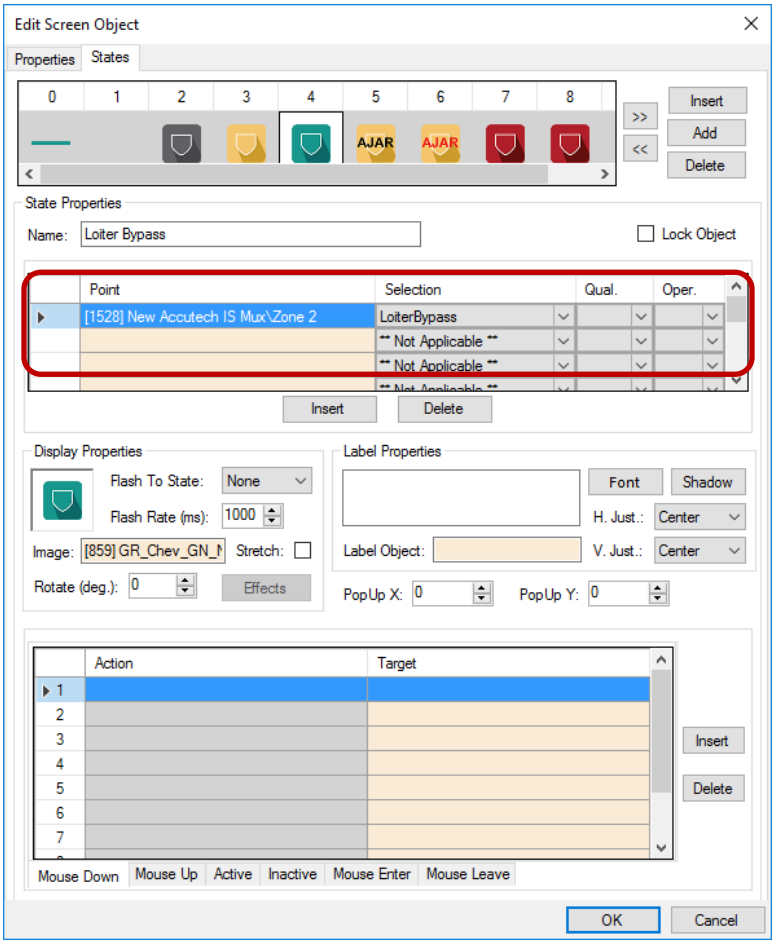

Figure 38 - Sample zone screen object properties dialog: State 2

The **Image** field contains an image file that is displayed when this state displays.

4.5.2.6 State 5 – Ajar Flash To

State 5 is named **Ajar Flash To**. Notice the evaluation grid. It is empty. This is used as a "Flash To" state and will never display on its own.

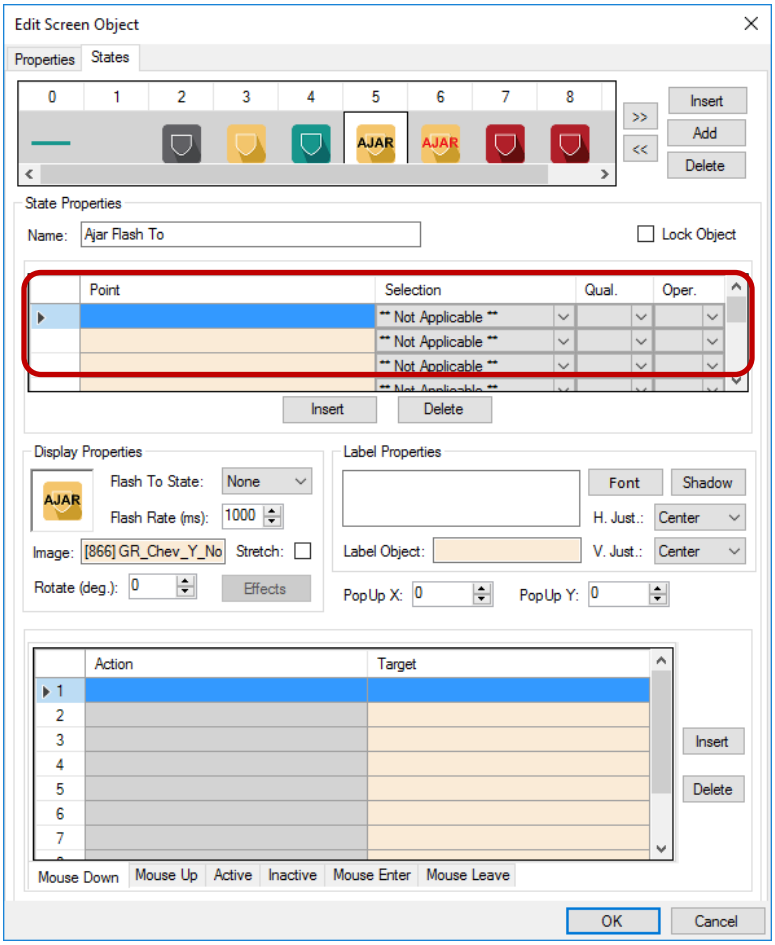

Figure 39 - Sample zone screen object properties dialog: State 3

The **Image** field contains an image file that is displayed when this state displays.

4.5.2.7 State 6 - Ajar

State 5 is named **Ajar**. Notice the evaluation grid. When the **Ajar** point for the zone is high, the evaluation grid will return true. This state will display if none of the higher numbered states evaluates to true.

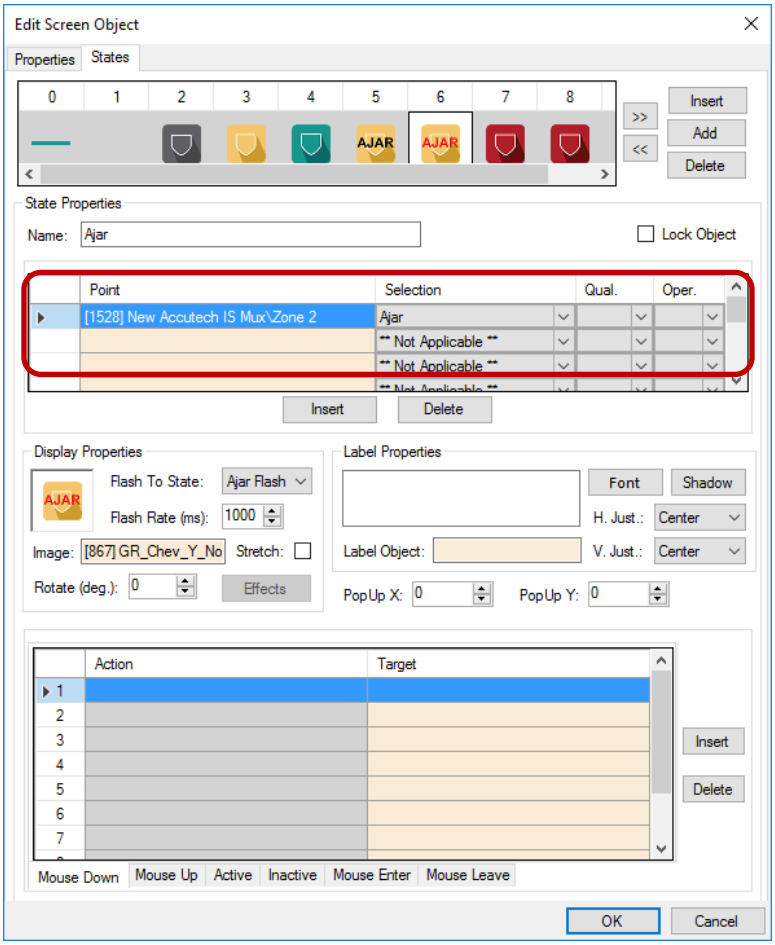

Figure 40 - Sample zone screen object properties dialog: State 3

The **Image** field contains an image file that is displayed when this state displays.

4.5.2.8 State 7 – Exit

State 4 is named **Exit**. Notice the evaluation grid. When the **Exit** point for the zone is high, the evaluation grid will return true. This state is the highest priority state and will display when the evaluation grid evaluates to true.

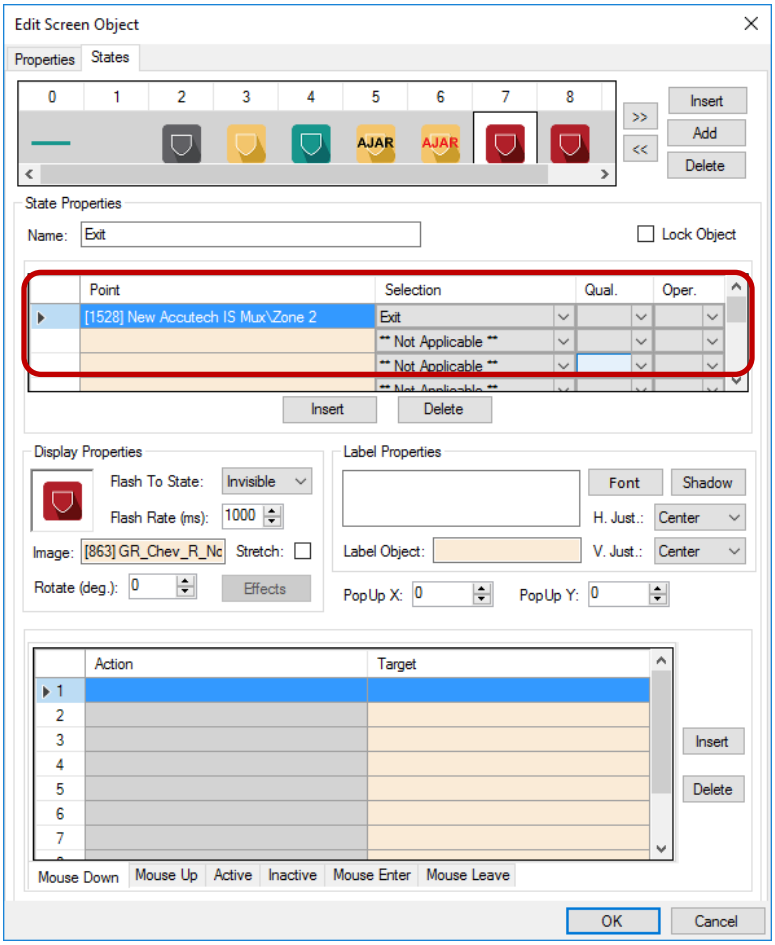

Figure 41 - Sample zone screen object properties dialog: State 3

The **Image** field contains an image file that is displayed when this state displays. This state flashes to the **Invisible** state to draw attention to it.

4.5.2.9 State 8 – Locked Down

State 4 is named **Locked Down**. Notice the evaluation grid. When the **Locked Down** point for the zone is high, the evaluation grid will return true. This state is the highest priority state and will display when the evaluation grid evaluates to true.

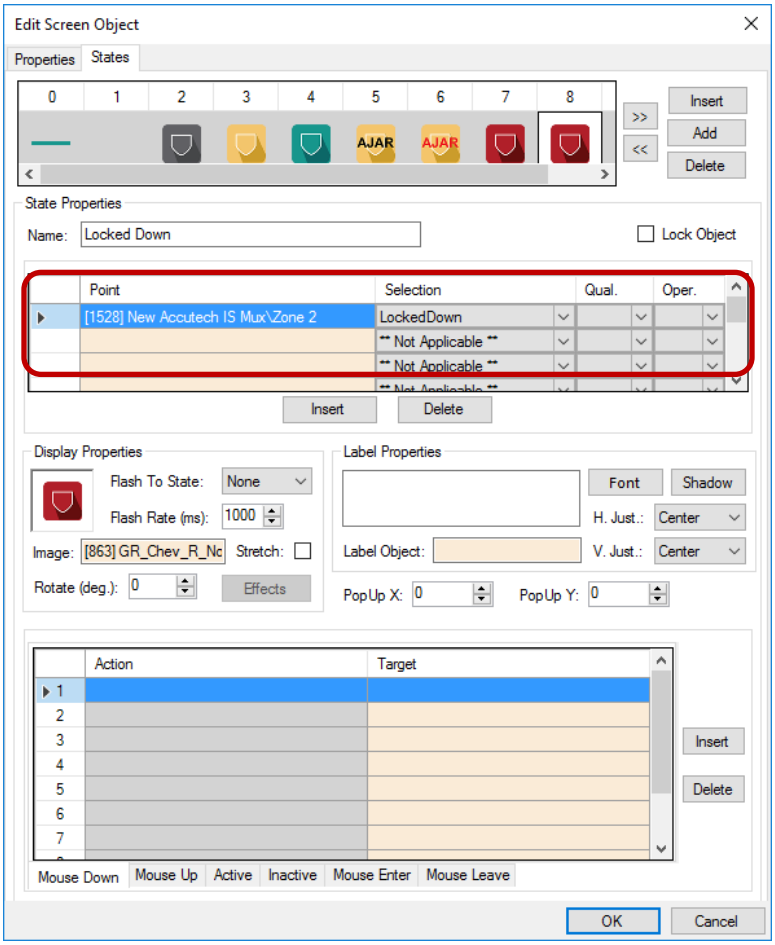

Figure 42 - Sample zone screen object properties dialog: State 3

The **Image** field contains an image file that is displayed when this state displays.

4.5.2.10 State 9 – Band Removal

State 4 is named **Band Removal**. Notice the evaluation grid. When the **Band Removal** point for the zone is high, the evaluation grid will return true. This state is the highest priority state and will display when the evaluation grid evaluates to true.

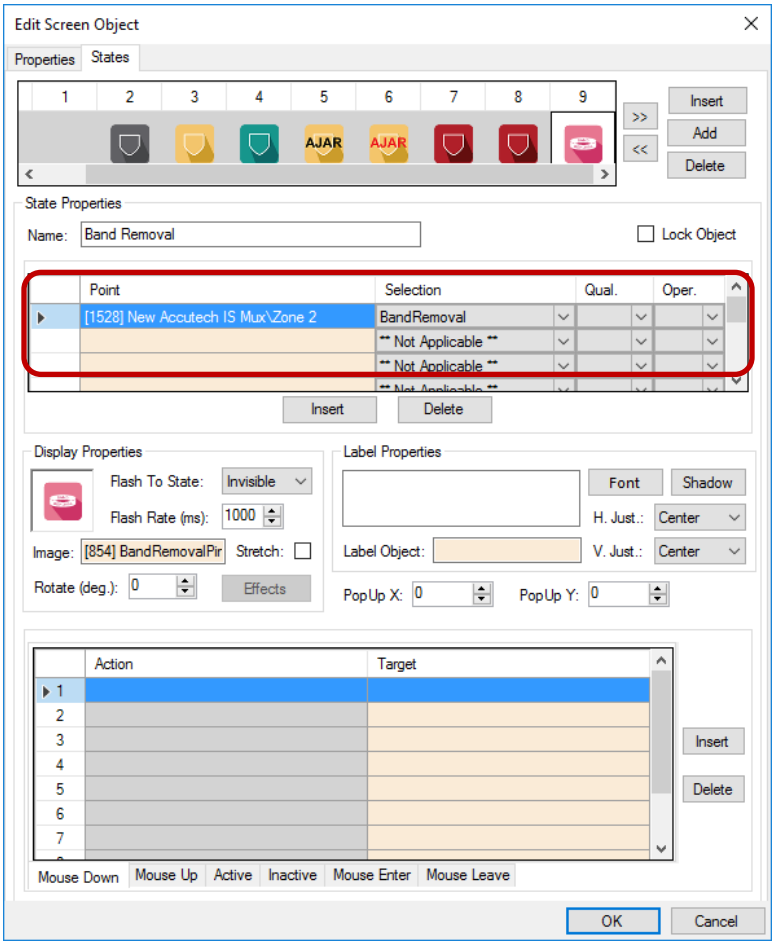

Figure 43 - Sample zone screen object properties dialog: State 3

The **Image** field contains an image file that is displayed when this state displays. This state flashes to the **Invisible** state to draw attention to it.

4.6 Panel Control Screen

When a panel is added to the Project, a popup screen is added to the Tree as well. This is the panel control screen that is displayed in **Hardware Management View**. This popup screen can be found by expanding **Screen Control->Popup Screens**. Here is a node named for the area in which the panel was added. In the example used in this document, the panel was added to the area named **Area**. Therefore, the node that groups these panel control screens is named **Area Popup Screens**. Expanding this node reveals the panel control screen nodes.

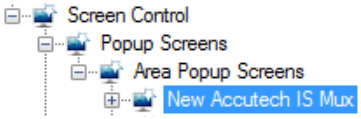

Figure 44 - An example Panel Control Screen popup screen node in the Project Node Tree

The node name of the panel control screen popup screen reflects the panel type and not the specific panel. If the project contains 20 Accutech IS panels, there will be 20 Accutech IS Mux nodes in this **Area Popup Screens** group. The panel to which the popup screen is linked is denoted in the **Base Object** field of the popup screen's properties.

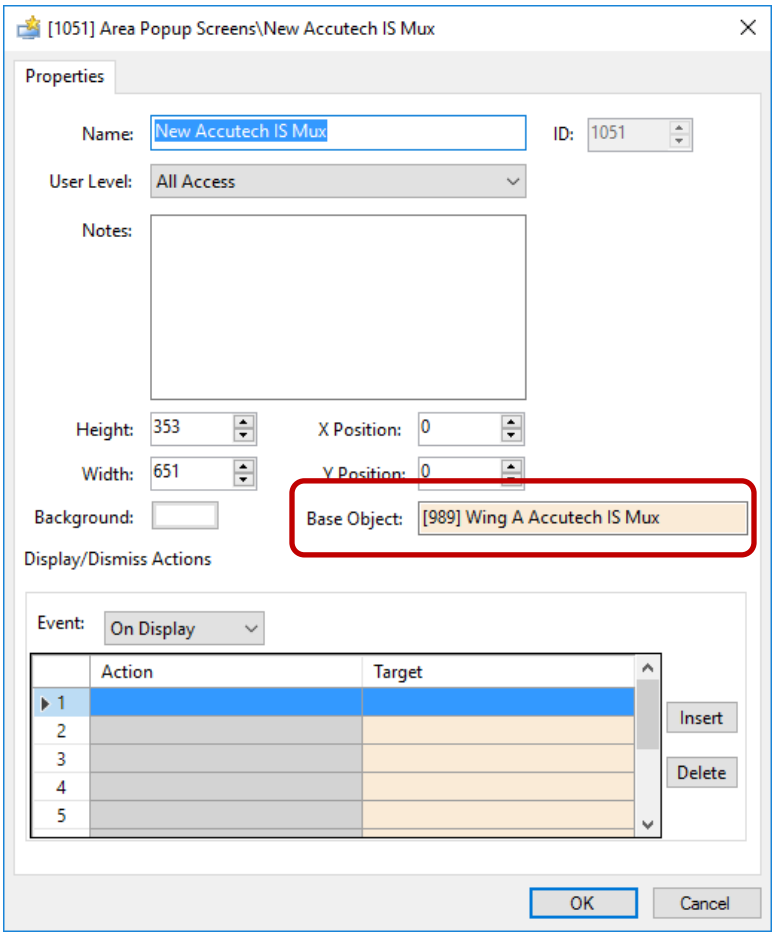

Figure 45 - Panel Control Screen node properties dialog

To display this popup screen in **Live View**, an action grid must be programmed to do so. Use either the **PopUp** or **PopUpDialog** action with the popup screen node as the target. The **PopUpDialog** action allows the user to move the dialog around the screen and to dismiss it. **PopUp** does not.

To dismiss the popup screen, an action grid must be programmed to do so using the action **Popoff**.

Note: Drag and drop of the popup screen will create a button that pops up the popup screen. This gives you a starting point.

Revision History

2016-12-16 Initial Creation

2017-03-06 Accutech driver was updated to include additional zone states, Loiter Bypass point, Band Removal and Exit Zone Changes to Section 4.3, 4.4, and 4.5

2017-06-27 Product renamed from Intelli-Site 4 to Intelli-Site with new icons and cover page

2018-04-23 Change cover page