

The cover features a background image of a grey door with a diamond-patterned mesh. A large, semi-transparent blue rectangle is centered over the door handle area. Within this rectangle is a smaller, solid blue square containing the text "SIMPLIFY ACCESS & CONTROL" in white, bold, sans-serif capital letters, flanked by two horizontal white lines.

**SIMPLIFY
ACCESS &
CONTROL**

**ASSA ABLOY DSR
Panel Guide**

Intelli-Site

Security Management Software

ASSA ABLOY DSR Panel Guide

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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.
- 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 generate a support package for transmission to Intelli-Site technical support staff. To generate the package, run the Intelli-Site Configuration Utility. *Create Support Package...* is the last option in the **Tools** menu.

Table of Contents

Copyright	3
Trademarks	3
Technical Support Assistance	4
Table of Contents	5
1 Introduction	7
2 Installation Guide.....	8
3  Hardware Management View	9
3.1 Setup.....	9
3.1.1 Add an ASSA ABLOY DSR Driver.....	9
3.1.2 Add an ASSA ABLOY DSR Panel.....	12
3.1.3 Configure the ASSA ABLOY DSR Panel.....	14
3.1.4 Download ASSA ABLOY DSR Panel Settings	18
3.1.5 Add and Configure an Access Point Panel.....	20
3.2 Panel Control Screen.....	30
3.2.1 The ASSA ABLOY DSR Panel Control Screen.....	30
3.2.2 The Access Point Panel Control Screen	31
4  Design View	32
4.1 ASSA ABLOY DSR Driver Node	32
4.1.1 The <i>Properties</i> Tab	33
4.1.2 The <i>Card Config</i> Tab	35
4.2 ASSA ABLOY DSR Panel Node	37
4.2.1 ASSA ABLOY DSR Panel Node Properties Dialog.....	38

ASSA ABLOY DSR Panel Guide

4.2.2 ASSA ABLOY DSR Panel Quick Config Dialog	45
4.2.3 ASSA ABLOY DSR Panel Child Nodes	51
4.3 Access Point Panel Node	57
4.3.1 Access Point Panel Node Properties Dialog	57
4.3.2 Access Point Panel Node Quick Config	65
4.3.3 Access Point Panel Child Nodes	72
5  Access Management View	76
5.1 Holidays & Time Zones Tab	76
5.2 Access Sets Tab	79
5.3 Personnel & Cards Tab	80
6 Project Programming	81
6.1 Using the ASSA ABLOY DSR Nodes in Evaluation Grids	81
6.1.1 The ASSA ABLOY DSR Driver Node	81
6.1.2 The ASSA ABLOY DSR Nodes	82
6.1.3 The Access Point Nodes	82
Table of Figures	83
Glossary	87
Appendix I – Using ASSA ABLOY Card Configurations	88
Add the Card Format to the Card Data Screen	89
Using Card Formats Larger than 64-bit	90
Revision History	91

ASSA ABLOY DSR Panel Guide

1 Introduction

Intelli-Site supports the ASSA ABLOY Door Service Router (DSR). This integration was written using the D125_SRS_CSIGeneric Security System Integration Specification.

Intelli-Site communicates with the DSR which communicates with the Access Points. Intelli-Site does not directly interact with the Access Points. ASSA ABLOY suggests that the DSR be treated as a network appliance including the DSR and the Access Points.

This guide explains managing and controlling the ASSA ABLOY DSR with Intelli-Site Security Management Software.

2 Installation Guide

The ASSA ABLOY DSR driver in Intelli-Site must be installed. No external software is needed on the host computer.

If Intelli-Site has been installed without the ASSA ABLOY DSR driver, run the Intelli-Site installer again and select **Modify**.

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

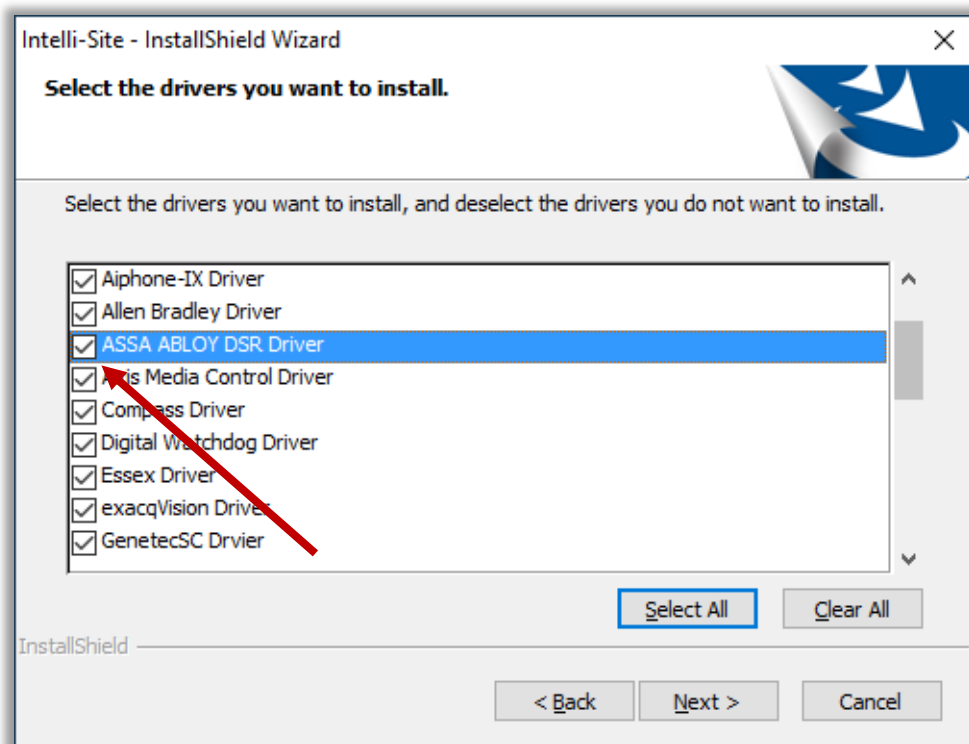


Figure 1 - Select the drivers you want to install

Ensure the **ASSA ABLOY DSR Driver** option is checked then continue with the installation or modification.

3 Hardware Management View

The ASSA ABLOY DSR driver and ASSA ABLOY DSR panel are best configured in  **Hardware Management View**.

3.1 Setup

Setting up the ASSA ABLOY DSR Driver and ASSA ABLOY DSR panel is straightforward.

The process is:

1. Add an ASSA ABLOY DSR driver
2. Add an ASSA ABLOY DSR panel
3. Configure the ASSA ABLOY DSR panel
4. Download the ASSA ABLOY DSR panel settings
5. Add Access Point panels and configure them as necessary

3.1.1 Add an ASSA ABLOY DSR Driver

Adding an ASSA ABLOY DSR driver is simple, but important. Without it, no communication with the ASSA ABLOY DSR panels can occur.

Hardware is managed in the  **Hardware Management View**. If you are not in  **Hardware Management View**, click on  and select .

ASSA ABLOY DSR Panel Guide

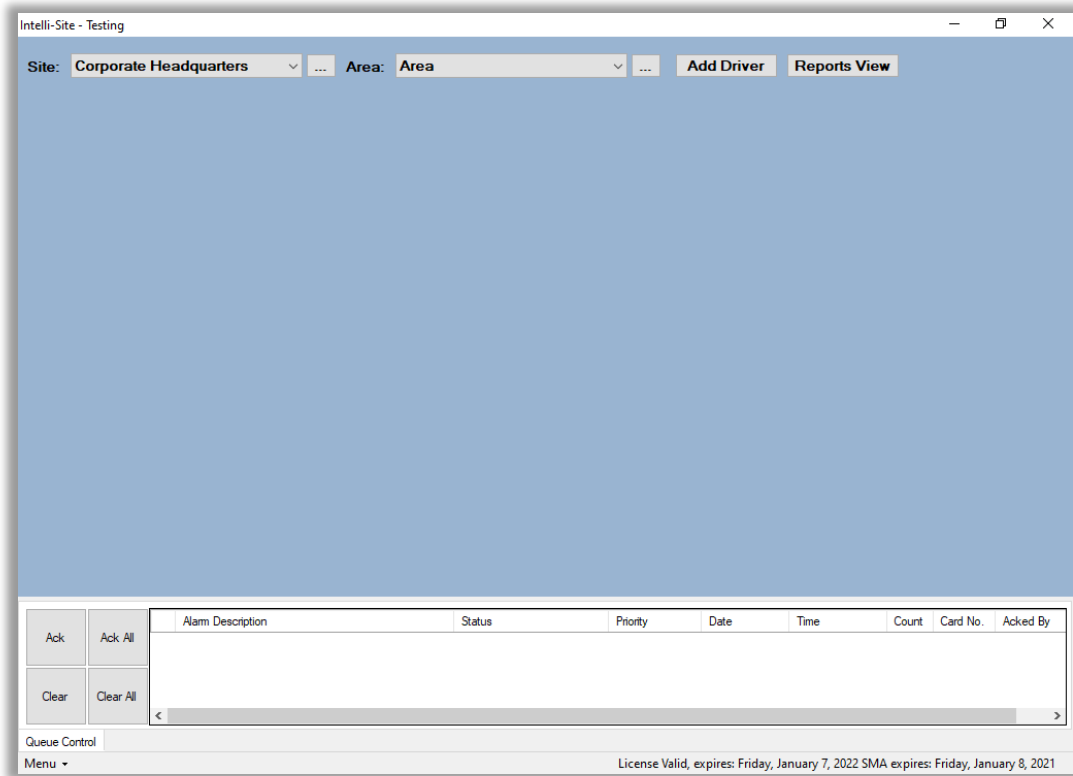


Figure 2 - Hardware Management View

To add the ASSA ABLOY DSR driver, click the **Add Driver** button. The **Choose Driver Type** dialog displays.

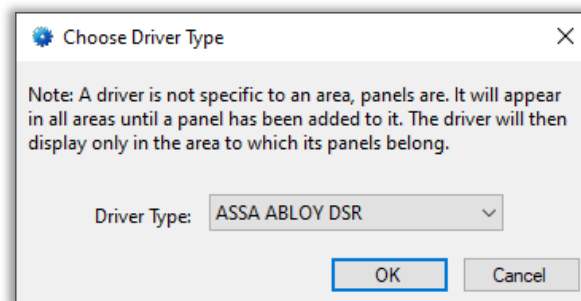


Figure 3 - Choose Driver Type Dialog

Select *ASSA ABLOY DSR* from the **Driver Type** drop-down list in the **Choose Driver Type** dialog. Click **OK**. A new ASSA ABLOY DSR driver icon is added to the screen and its properties dialog opens.

ASSA ABLOY DSR Panel Guide

The screenshot shows a Windows-style dialog box titled "[1288] New ASSA ABLOY DSR Driver". It has two tabs: "Properties" and "Card Config", with "Card Config" currently selected. The "Properties" section contains the following fields: "Name" (text box with "New ASSA ABLOY DSR Driver"), "ID" (spin box with "1288"), "User Level" (dropdown menu with "All Access"), and "Notes" (empty text area). Below these are checkboxes for "Enabled" (unchecked), "Default Retry Start Delay" (checked), and "Retry Start Delay" (spin box with "15"). At the bottom, there are two empty list boxes labeled "Panel List" and "Computer List". The "Computer List" box contains one entry, "[4] LATWin10", which is highlighted. "OK" and "Cancel" buttons are at the bottom right.

Figure 4 - ASSA ABLOY DSR Driver Properties Dialog

Note: For an explanation of all of the driver properties, see [ASSA ABLOY DSR Driver Node](#).

Please change the **Name** of the driver to reflect the use and/or location of the panel that this driver will manage. Switch to the **Card Config** tab.

ASSA ABLOY DSR Panel Guide

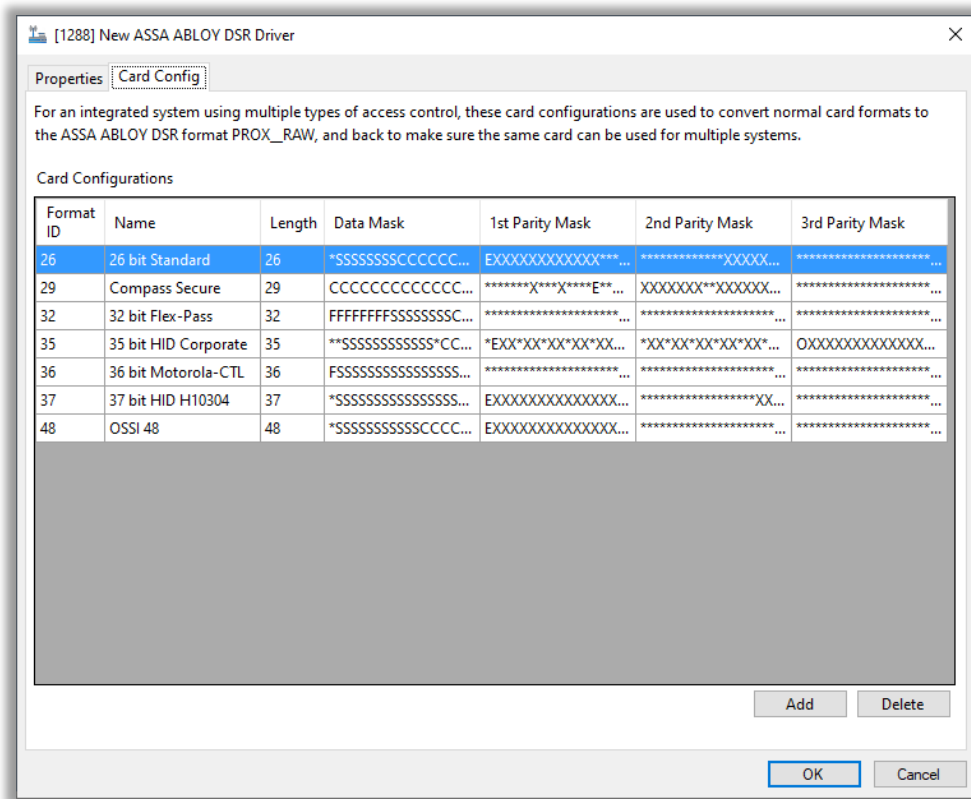


Figure 5 – Driver properties: *Card Config* tab showing Card Configurations

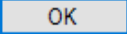
The driver comes pre-loaded with seven (7) card configurations. If there are or ever will be different access control panels at this facility that will be managed by Intelli-Site, the ASSA ABLOY DSR card configuration(s) used by this facility must be added here and in in the list of card formats on the **Card Data** screen. This does not have to be done at this moment. See [The Card Config Tab](#) if needed once setup is complete. Click . The dialog closes, saving the changes.



Figure 6 - ASSA ABLOY DSR Driver icon

3.1.2 Add an ASSA ABLOY DSR Panel

Once an ASSA ABLOY DSR driver is added, it's time to add an ASSA ABLOY DSR panel to it.

ASSA ABLOY DSR Panel Guide

Right-click on the ASSA ABLOY DSR driver icon and select *Add Panel*. The **Add Panel** dialog displays.

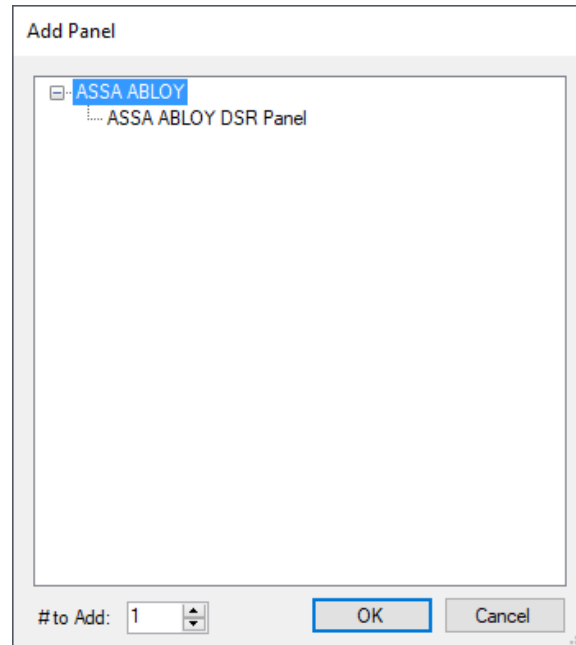



Figure 7 - Add Panel Dialog

Select *ASSA ABLOY DSR Panel*. Leave **# to Add** at 1. Click **OK**. A **New ASSA ABLOY DSR Panel** icon is added to the target driver.



Figure 8 - A new panel

This icon, , is the settings download required icon. It indicates a download of the panel's settings is needed. Once the panel is configured, we will download it.

Next comes configuring the panel.

ASSA ABLOY DSR Panel Guide

3.1.3 Configure the ASSA ABLOY DSR Panel

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

Configure New ASSA ABLOY DSR Panel

Properties Configuration Items Filters Alarms

Panel Name: New ASSA ABLOY DSR Panel

Notes:

Firmware Version: <none>

Virtual: ☐

Connection Settings

DSR Address: 192.168.12.140

DSR Port: 8080

Use WS-Encryption: ☐

Use HTTPS/SSL: ☐

Auto Detect Existing Access Points In DSR

Access Points:

Add Access Point

Download

Holidays Time Zones Authorizations Settings Cards Complete

Confirm All

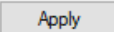
Apply OK Cancel

Figure 9 - ASSA ABLOY DSR Quick Config dialog

The configuration data is separated on four (4) tabs.

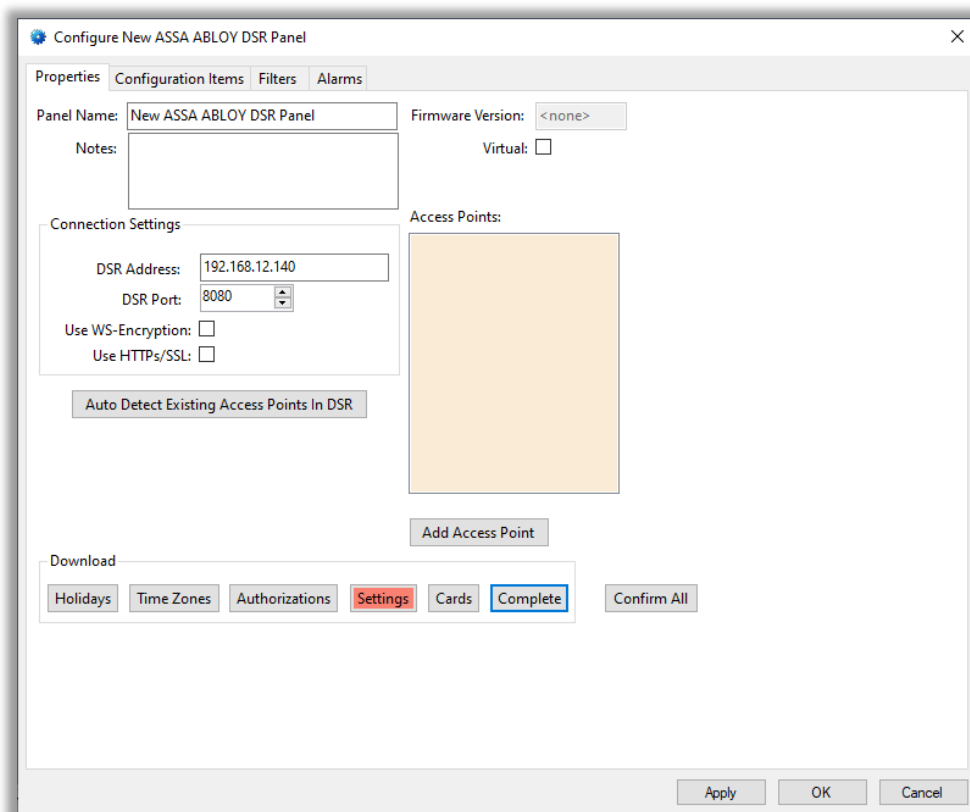
- **Properties** tab – designates the connection information, can detect and add Access Points, download the various configurations and settings
- **Configuration Items** tab – defines the mappings of floor names to floor numbers
- **Filters** tab – select the filters
- **Alarms** tab – select the alarms

ASSA ABLOY DSR Panel Guide

Note: Best practices suggest that as configuration of each tab is complete, click the  button. This saves all changes without closing the dialog.

3.1.3.1 The *Properties* tab

The **Properties** tab is where the IP connection settings are defined. The access points managed by the DSR are detected and/or added here. Each of the different configuration elements that must be downloaded to the panel are downloaded from this tab using the download buttons.



The screenshot shows the 'Configure New ASSA ABLOY DSR Panel' dialog box with the 'Properties' tab selected. The dialog has a title bar with a close button. Inside, there are several sections: 'Panel Name' with a text field containing 'New ASSA ABLOY DSR Panel'; 'Firmware Version' with a dropdown menu showing '<none>'; 'Notes' with a large text area; 'Connection Settings' with fields for 'DSR Address' (192.168.12.140) and 'DSR Port' (8080), and checkboxes for 'Use WS-Encryption' and 'Use HTTPS/SSL'; 'Access Points' with a large empty box and an 'Add Access Point' button; and a 'Download' section with buttons for 'Holidays', 'Time Zones', 'Authorizations', 'Settings' (highlighted in red), 'Cards', and 'Complete' (highlighted in blue). At the bottom right are 'Apply', 'OK', and 'Cancel' buttons.

Figure 10 - The Configure OTIS Panel tab

Change the **Name** of the panel to describe its use or location. Fill in the **Connection Settings** data. **DSR Address** is the IP address or hostname of the DSR. The remaining connection settings data is found in the ASSA ABLOY DSR Support Tool under Configuration Settings->Server Settings->WS Encryption and Port Configuration. **DSR Port** is the **Access Data Port** data field. Check **Use WS Encryption** and/or **Use TLS/SSL** if they are set to true in the DSR Support Tool.

ASSA ABLOY DSR Panel Guide

Notice the **Settings** button is salmon colored. This means a download of the settings is required. There is no mechanism to upload the current default configuration settings from the DSR. Therefore, to make sure the DSR and Intelli-Site are in sync, the settings from Intelli-Site must be downloaded. Those settings are found on the next three (3) tabs: **Configuration Items**, **Filters**, and **Alarms**. Once these tabs are configured, a **Settings** download will be initiated.

On to the **Configuration Items** tab.

3.1.3.2 The Configuration Items Tab

On the **Configuration Items** tab, define the default configuration item settings for an Access Point.

Item	Type	SxPx Battery Powered	SxPx External Powered
Visible Feedback Enable	BOOL	Factory Default	Factory Default
Audible Feedback Enable	BOOL	True	True
Visible Indicators Enable	BOOL	True	True
Audible Indicators Enable	BOOL	True	True
Wait For 2nd PIN Duration (seconds)	U8	Factory Default	Factory Default
Invalid Attempts Until Lockout	U8	Factory Default	Factory Default
Duration of Lockout (seconds)	U8	Factory Default	Factory Default
Invalid Credential Idle Reset Time (seconds)	U8	40	40
Panic Mode	BOOL	Factory Default	Factory Default
DOTL Time (seconds)	U8	Factory Default	Factory Default
Session Timeout (seconds)	U8	30	30
Scheduling Algorithm	U8	Simple	Disable
Scheduler Awake Duration (decaseconds)	U8	3	3
Scheduler Hour of Day Map	STRING	Factory Default	Factory Default
Scheduler Day Of Week Map	U8	Factory Default	Factory Default
Scheduler Day Of Month Map	U16	Factory Default	Factory Default
Period Scheduler Awakens (minutes)	U16	Factory Default	Factory Default
Scheduler On At Hours:Minutes #1	U16	Factory Default	Factory Default
Scheduler On At Hours:Minutes #2	U16	Factory Default	Factory Default
Scheduler On At Hours:Minutes #3	U16	Factory Default	Factory Default
Scheduler On At Hours:Minutes #4	U16	Factory Default	Factory Default
Inhibit Voltage Threshold	U8	Factory Default	Factory Default

Figure 11 - The Configuration Items tab

ASSA ABLOY DSR Panel Guide

3.1.3.3 The *Filters* Tab

On the ***Filters*** tab, define the default filter settings for an Access Point.

Item	SxPx Battery Power Reporting	SxPx Battery Power Recording	SxPx External Power Reporting	SxPx External Power Recording
Invalid PIN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
One Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passage Begin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passage End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bad Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Locked Out	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dead Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery Replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User Added	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
User Deleted	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Panic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Relock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lockout Begin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lockout End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date/Time Set	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log Cleared	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DB Reset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm Started	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Figure 12 - The *Filters* tab

ASSA ABLOY DSR Panel Guide

3.1.3.4 The *Alarms* Tab

On the ***Alarms*** tab, define the default alarm settings for an Access Point.

The screenshot shows the 'Configure New ASSA ABLOY DSR Panel' dialog box with the 'Alarms' tab selected. The dialog is divided into two sections: 'Battery Powered' and 'External Powered'. Each section contains a table of alarm settings. The 'None' alarm is selected for all settings in both sections.

Item	Security Mode	Passage Mode	Rx Held Mode	Log When Sec	Log In Passage Mode	Log When Rx Held Mode	Security Mode	Passage Mode	Rx Held Mode	Log When Sec	Log In Passage Mode	Log When Rx Held Mode
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Valid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Denied	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Door Secured	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Door Forced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Key Override	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Invalid Entry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DOTL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Low Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
REX Held	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Real Time Clock Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tamper Alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tamper Restore	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Door Open	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Closed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
REX Depressed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardware Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Harvest Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Figure 13 - The *Alarms* tab

Click .

3.1.4 Download ASSA ABLOY DSR Panel Settings

Once the default configuration has been defined, it should be downloaded to the ASSA ABLOY DSR. The DSR will download these settings to all existing Access Panels so they can update those settings that are using the default values and not custom ones. Also, when a new Access Point is detected by the ASSA ABLOY DSR, this is the default configuration given to it.

Before the settings can be downloaded, the driver must be enabled.

ASSA ABLOY DSR Panel Guide

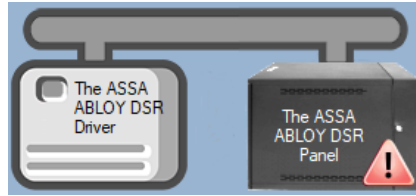


Figure 14 - Disabled driver

Right-click on the driver icon and select *Enable Driver*. The connection indicator will change color from grey to red then to green if the DSR is online.



Figure 15 - Driver not connected to the Driver Service



Figure 16 - Driver not connected to the ASSA ABLOY DSR

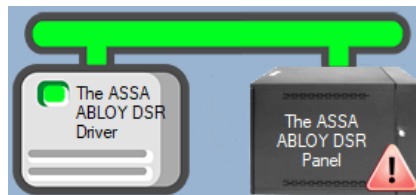


Figure 17 - Driver connected to the ASSA ABLOY DSR

Right-click on the ASSA ABLOY DSR panel icon and select *Quick Config*. The **Quick Config** dialog displays. Click the [Settings](#) button. A **Download Confirmation** dialog displays.

ASSA ABLOY DSR Panel Guide

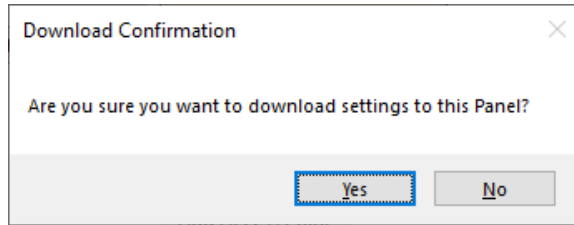
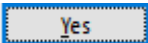


Figure 18 - Download Confirmation dialog

Click . The settings are sent to the DSR, and the button is now grey.

Next comes adding Access Points.

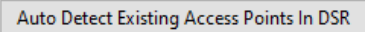
3.1.5 Add and Configure an Access Point Panel

When an Access Point is installed, the technician uses the ASSA ABLOY DSR Lock Configuration Tool to give the Access Point the connection information for the DSR. The Access Point initiates a connection to the DSR, the DSR adds the Access Point to its list if it does not exist already and then sends any pending downloads. In fact, for battery-powered Access Points, any download requested must wait for the Access Point to connect to the DSR before the download can occur. The Access Point is offline until it wakes up. ASSA ABLOY Best Practices suggest adding an alarm that will trigger the Access Point to wake up. This is especially useful during commissioning.

There are two methods to add an Access Point panel. One is to auto detect it and the other is to manually add it.

3.1.5.1 Auto-Detect Access Point Panels

The process for adding Access Points to Intelli-Site using the auto-detect method is as follows.

1. Install the Access Point hardware.
2. Configure the Access Point hardware using the Lock Configuration Tool.
3. If the Access Point is battery-powered, trigger the wake-up event so the DSR detects it. A PoE Access Point will connect to the DSR immediately.
4. In the ASSA ABLOY DSR panel **Quick Config** dialog, click  to retrieve the list of Access Points from the physical DSR.

ASSA ABLOY DSR Panel Guide

5. Click **Apply** or **OK** to add the Access Point panel(s) to Intelli-Site.
6. Open the Access Point panel's **Quick Config** dialog, customize the settings as needed, and download the settings by clicking **Settings**.

Let us assume the technician has performed steps 1, 2, and 3. The rest of this section will walk through the steps that pertain to Intelli-Site.

3.1.5.1.1 Auto-detect the Access Point(s)

Open the **Quick Config** dialog by right-clicking on the ASSA ABLOY DSR panel icon and selecting *Quick Config*.

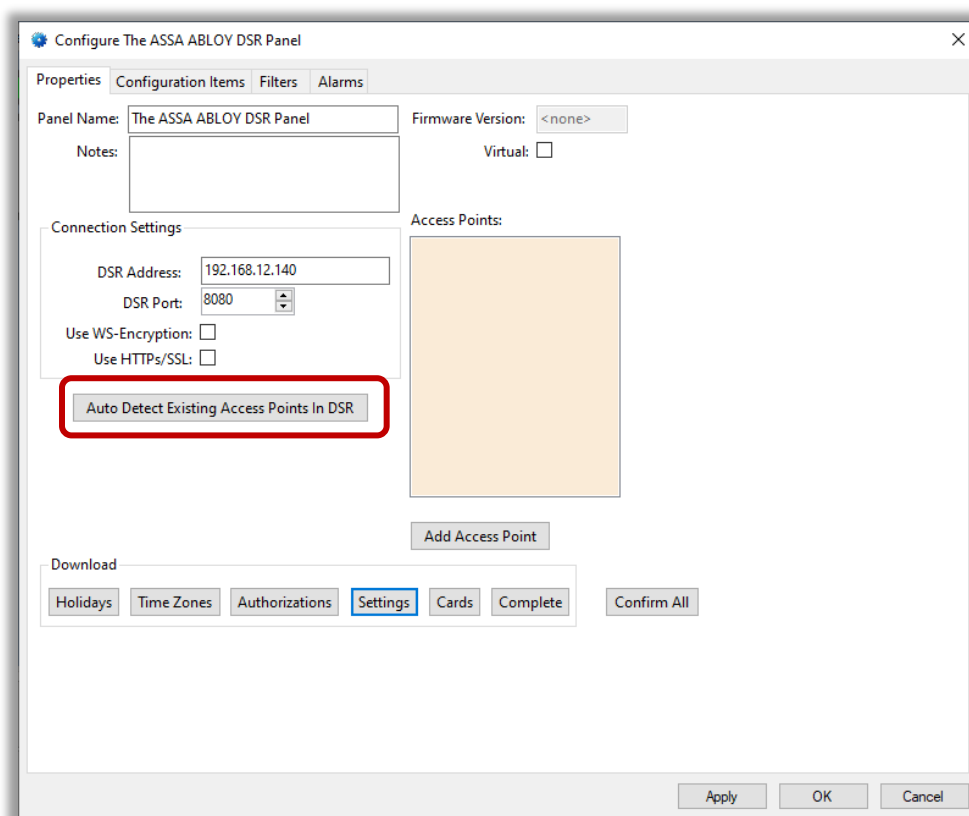


Figure 19 - ASSA ABLOY DSR panel Quick Config Auto Detect called out

Click **Auto Detect Existing Access Points In DSR**. An **Auto-Detect Confirmation** dialog displays.

ASSA ABLOY DSR Panel Guide

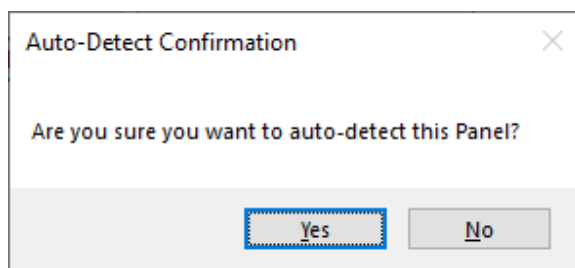


Figure 20 - Auto-Detect Confirmation dialog

Click **Yes**. Intelli-Site logs in to the ASSA ABLOY DSR and retrieves the Access Points.

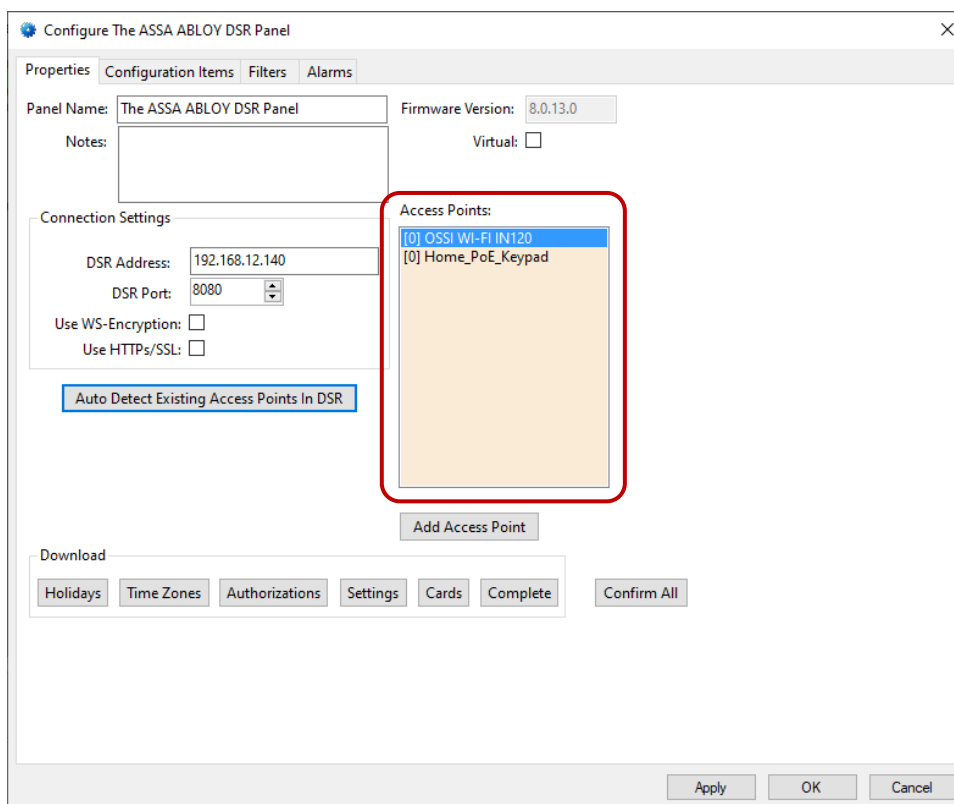


Figure 21 - Access Points retrieved from the panel

All of the Access Points the DSR panel has detected are listed in the **Access Points** list box. Notice the number in square brackets before the name of each Access Point. That number is the node ID. At this point, these Access Points are new, and nodes have not been added to Intelli-Site. If the Access Point exists in Intelli-Site, the actual node ID would display in the square brackets. Click **Apply** or **OK** to add the new Access Point panel(s).

ASSA ABLOY DSR Panel Guide

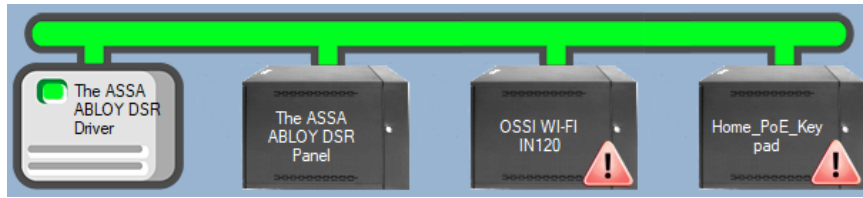


Figure 22 - Access Point Panel icons added to the driver

3.1.5.1.2 Configure and Download the Access Point Settings

Since there is no way to retrieve the current settings of an Access Point, it is important to perform a settings download for each Access Point to ensure the Access Point and Intelli-Site are in sync. This would also be the time to setup any custom configurations or attributes.

Configure OSSI WI-FI IN120

Properties | Configuration Items | Filters | Alarms

Name: OSSI WI-FI IN120

Notes:

Access Point ID: b532d025-1b8b-49d3-bbcc-e8b7a85fd4c4

Access Point Type: SxPx Battery Powered

Serial Number: PC743D0156SF06AA

Sync Status: Synchronized

Last Seen: 07/12/2021 17:22

Last Comm Error: 05/06/2021 14:23

Confirmed: ☒

DSR Actions: Confirm Replace Delete Refresh

Mode Schedule:

Time Zone	Mode
Always	Primary Only

Add Delete

Download: Holidays Time Zones Authorizations **Settings** Cards Complete

Virtual: ☐ Firmware Version: 3_0p09_cx_v3532

Serial Number Information:

Manufacturer:	PCI
Manufacture Date:	Year: 7 Week: 43 (Compatibility Mode)
Board Identifier:	Sx Controller with PFM
Serial Number In Week:	0156
Target Company:	Sargent
Network Interface Device:	DPAC 802.11BGN Zonda
Power Supply:	Batteries
Lock Body Type:	Sargent 82276 Mortise w/cylinder & DB

Attributes:

Attribute	Value
Network RSSI	-51
TLS CA Certificate Val...	N/A
Coin Cell Voltage	3.25
TLS Client Certificate ...	N/A
Battery Status	HIGH
TLS CA Certificate Val...	N/A

Apply OK Cancel


Figure 23 - Access Point panel Quick Config dialog

ASSA ABLOY DSR Panel Guide

Note: *Holidays, Time Zones, and Authorizations will be covered in*



[Access Management View](#)


Click the  button to download the settings to the Access Point. The driver takes the default settings defined on the ASSA ABLOY DSR panel, applies the customizations, if any, then downloads these settings to the DSR for the Access Point.

The DSR will download the settings to the Access Point when the Access Point is online. For PoE Access Points, the download is immediate. For battery-powered Access Points, the download will occur when the Access Point wakes up. If a wake-up event was configured for the Access Point, the technician should trigger said event to ensure the download occurs in a timely manner.

Wash, rinse, and repeat for each Access Point as it is installed at the facility.

3.1.5.2 Manually Add Access Point Panels

The process for adding Access Points to Intelli-Site manually is as follows.

1. Add the Access Point in the ASSA ABLOY DSR **Quick Config** dialog.
2. Open the Access Point panel's **Quick Config** dialog, customize the settings as needed, and download the settings by clicking .
3. Install the Access Point hardware.
4. Configure the Access Point hardware using the Lock Configuration Tool.
5. If the Access Point is battery-powered, trigger the wake-up event so the DSR detects it. A PoE Access Point will connect to the DSR immediately. The DSR will download the settings to the physical Access Point.

The rest of this section will walk through these steps.

ASSA ABLOY DSR Panel Guide

Note: Ensure the serial number for the Access Point is available. It must be entered by hand with this method.

3.1.5.2.1 Add the Access Point

An Access Point can be added to the ASSA ABLOY DSR and to the ASSA ABLOY DSR panel. Open the **Quick Config** dialog by right-clicking on the ASSA ABLOY DSR panel icon and selecting *Quick Config*. Locate the **Add Access Point** button.

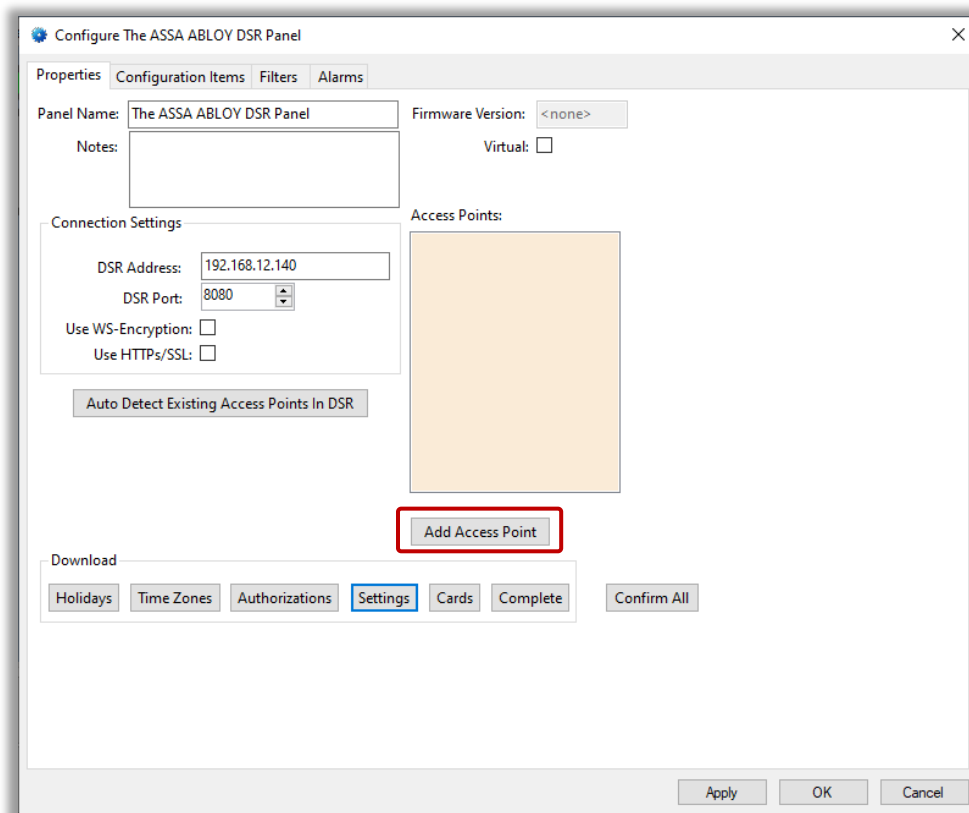
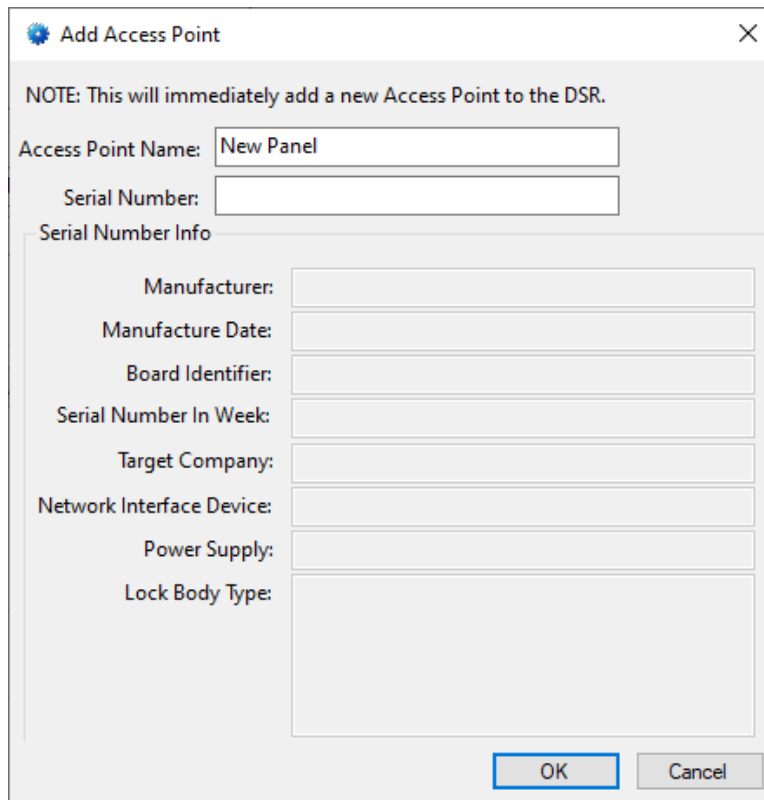


Figure 24 - Add Access Point button on the Quick Config dialog

Click it. An **Add Access Point** dialog displays.

ASSA ABLOY DSR Panel Guide



The image shows a software dialog box titled "Add Access Point" with a close button (X) in the top right corner. Inside the dialog, there is a note: "NOTE: This will immediately add a new Access Point to the DSR." Below the note, there are two input fields: "Access Point Name:" with the text "New Panel" entered, and "Serial Number:" which is empty. Underneath these is a section titled "Serial Number Info" containing several more input fields: "Manufacturer:", "Manufacture Date:", "Board Identifier:", "Serial Number In Week:", "Target Company:", "Network Interface Device:", "Power Supply:", and "Lock Body Type:". The "Lock Body Type" field is a larger text area. At the bottom right of the dialog are two buttons: "OK" and "Cancel".

Figure 25 - Add Access Point dialog

Enter the name of the Access Point and the serial number. Click . The dialog closes. The Access Point is immediately sent to the ASSA ABLOY DSR where it is added and confirmed. The Access Point will exist in the DSR even if the button on the **Quick Config** dialog is clicked. The new Access Point is added to the list of **Access Points**.

ASSA ABLOY DSR Panel Guide

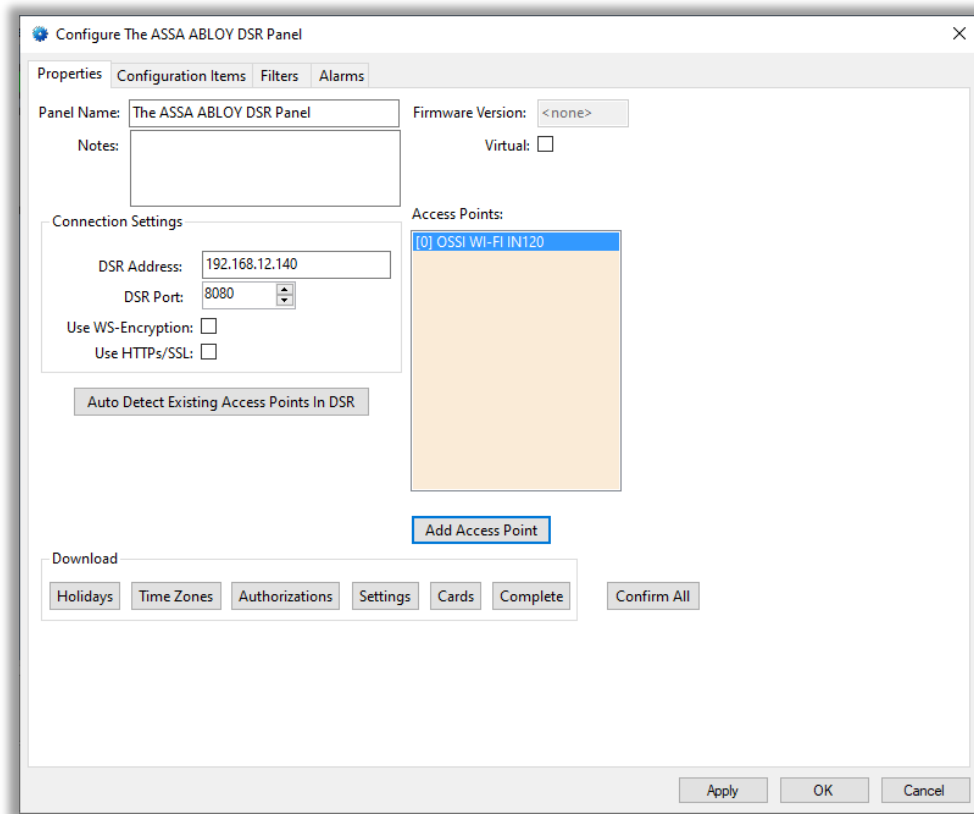


Figure 26 - Quick Config after adding an Access Point manually

Notice the number in square brackets before the name the Access Point. That number is the node ID. At this point, this Access Point is new, and the panel node has not been added to Intelli-Site. The Access Point panel node is added to Intelli-Site when **Apply** or **OK** is clicked. A panel icon for the Access Point panel is also added to the chain of panels on the driver.



Figure 27 - ASSA ABLOY DSR panel and the Access Point panel

The Access Point panel is added using the current default configuration from the DSR.

ASSA ABLOY DSR Panel Guide

Note: If the Access Point panel is a battery-powered panel, the connection indicator will become red since they are only online for brief periods of time.

3.1.5.2.2 Configure the Access Point Panel

To ensure the Access Point, ASSA ABLOY DSR, and Intelli-Site are synchronized in their configuration settings, a settings download for the Access Point must be performed. This is also the time to customize the configuration settings. The configuration of the Access Point panel is customized using the panel's **Quick Config** dialog. Right-click on the panel and select *Quick Config*.

If the DSR has already detected the Access Point, the attributes of the Access Point will appear in the **Attributes** table.

Configure OSSI WI-FI IN120

Properties Configuration Items Filters Alarms

Name: OSSI WI-FI IN120

Notes:

Access Point ID: b532d025-1b8b-49d3-bbcc-e8b7a85fd4c4

Access Point Type: SxPx Battery Powered

Serial Number: PC743D0156SF06AA

Sync Status: Pending

Last Seen: 07/08/2021 17:22

Last Comm Error: 05/06/2021 14:23

Confirmed: ☒

DSR Actions: Confirm Replace Delete Refresh

Mode Schedule:

Time Zone	Mode
Always	Primary Only

Add Delete

Download: Holidays Time Zones Authorizations Settings Cards Complete

Virtual: ☐ Firmware Version: 3_0p09_cx_v3532

Serial Number Information

Manufacturer: PCI

Manufacture Date: Year: 7 Week: 43 (Compatibility Mode)

Board Identifier: Sx Controller with PFM

Serial Number In Week: 0156

Target Company: Sargent

Network Interface Device: DPAC 802.11BGN Zonda

Power Supply: Batteries

Lock Body Type: Sargent 82276 Mortise w/cylinder & DB

Attributes:

Attribute	Value
Network RSSI	-47
TLS CA Certificate Val...	N/A
Coin Cell Voltage	3.26
TLS Client Certificate ...	N/A
Battery Status	HIGH
TLS CA Certificate Val...	N/A

Apply OK Cancel

Figure 28 - Access Point Panel Quick Config dialog for an existing Access Point

If not, the **Attributes** table will be empty.

ASSA ABLOY DSR Panel Guide

Configure SxPx Battery Powered Access Point Panel

Properties | Configuration Items | Filters | Alarms

Name: SxPx Battery Powered Access Point Panel

Notes:

Access Point ID: b532d025-1b8b-49d3-bbcc-e8b7a85fd4c4

Access Point Type: SxPx Battery Powered

Serial Number: PC743D0156SF06AA

Sync Status: Pending

Last Seen: 05/06/2021 14:23

Last Comm Error: 05/06/2021 14:23

Confirmed: ☒

DSR Actions: Confirm Replace Delete Refresh

Mode Schedule:

Time Zone	Mode
Always	Primary Only

Add Delete

Download: Holidays Time Zones Authorizations Settings Cards Complete

Virtual: ☐ Firmware Version: <none>

Serial Number Information:

Manufacturer: PCI

Manufacture Date: Year: 7 Week: 43 (Compatibility Mode)

Board Identifier: Sx Controller with PFM

Serial Number In Week: 0156

Target Company: Sargent

Network Interface Device: DPAC 802.11BGN Zonda

Power Supply: Batteries

Lock Body Type: Sargent 82276 Mortise w/cylinder & DB

Attributes:

Attribute	Value
-----------	-------

Apply OK Cancel

Figure 29 - Access Point Panel Quick Config dialog for an unknown Access Point

When the DSR detects the Access Point, the driver will retrieve the attributes. Modifications to the attributes can only be done after the DSR detects the Access Point.

Note: Holidays, Time Zones, and Authorizations will be covered in

 [Access Management View](#)

Set the configuration items, filters, and alarms for this Access Point that are different from the default. Click the **Settings** button to download the settings to the Access Point. The driver takes the default settings defined on the ASSA ABLOY DSR panel, applies the customizations, if any, then downloads these settings to the DSR for the Access Point.

The DSR will download the settings to the Access Point when the Access Point is online. For PoE Access Points, the download is immediate. For battery-powered Access Points, the download will occur when the Access Point wakes up.

ASSA ABLOY DSR Panel Guide

If the Access Point hardware has not been installed, now is the time to do it. When the technician installs the Access Point, he should include a wake-up event in its configuration. Now is the time to trigger that event so the DSR can download the settings.

Now repeat these steps for the rest of the Access Points.

3.2 Panel Control Screen

Every panel has a **Panel Control Screen**. From this screen, the user can monitor the current state of the DDS and the PoE Access Points.

3.2.1 The ASSA ABLOY DSR Panel Control Screen

Clicking on the ASSA ABLOY DSR panel icon opens the **Panel Control Screen** of the target panel.

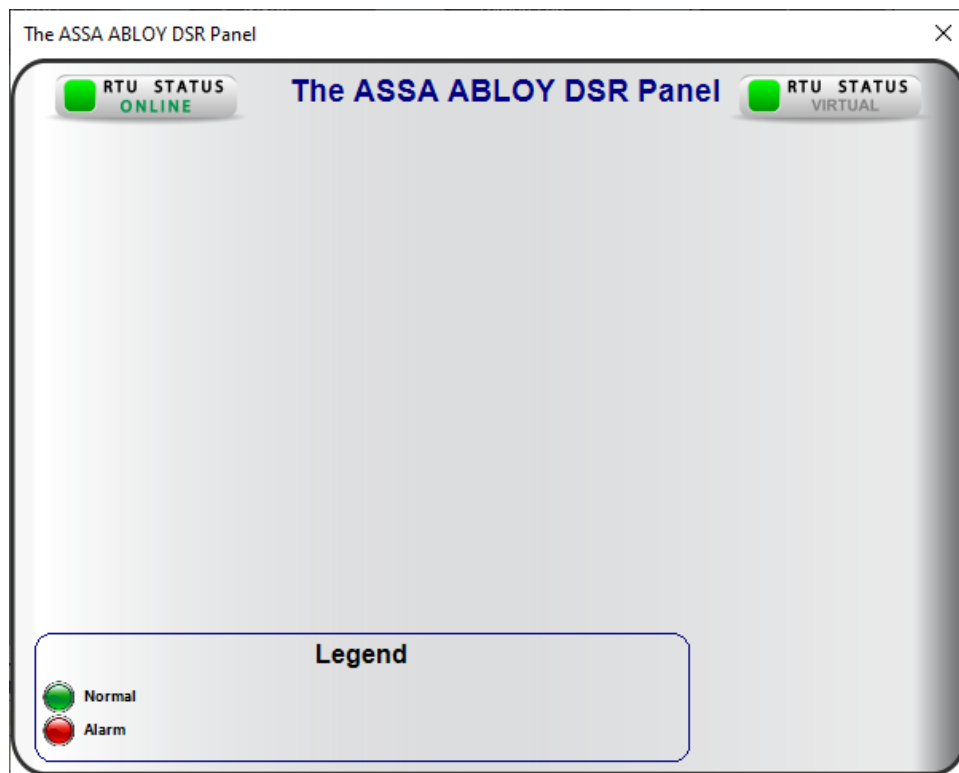


Figure 30 – The ASSA ABLOY DSR Panel Control Screen

This panel control screen has no real information. It's included for completeness's sake. The color of the light indicates the state of the point. Green is normal, and red is alarm.

ASSA ABLOY DSR Panel Guide

3.2.2 The Access Point Panel Control Screen

Clicking on an Access Point panel icon opens the **Panel Control Screen** of the target panel.

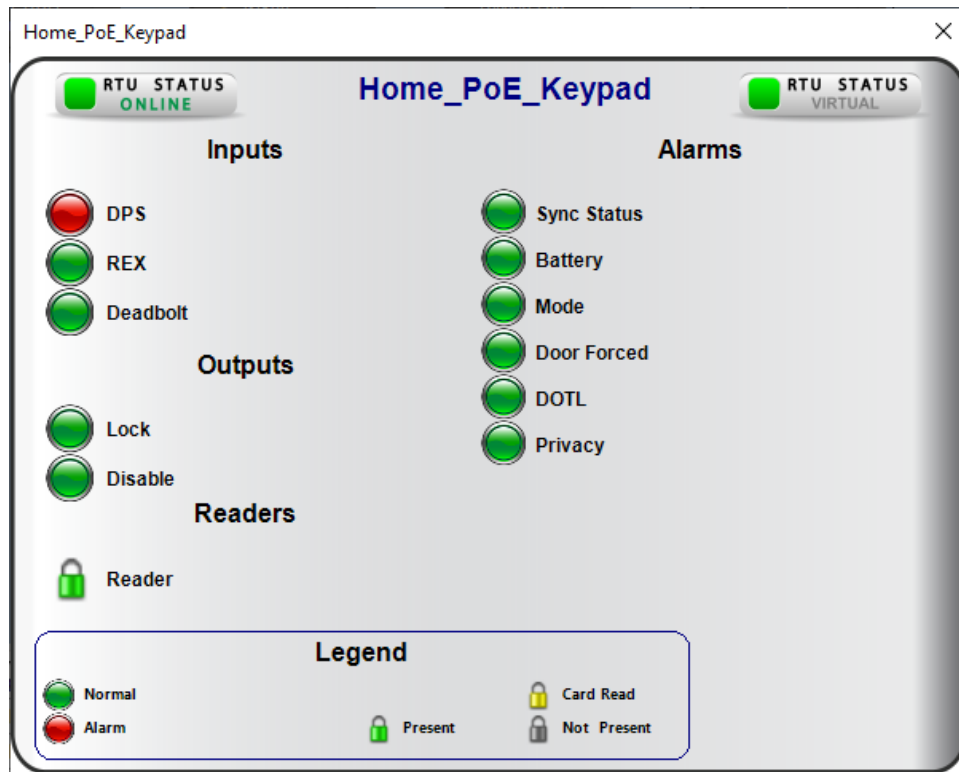



Figure 31 – The Access Point Panel Control Screen

The panel control screen shows the current state of the various points if the panel is online. The color of the light indicates the state of the point. Green is normal, and red is alarm.

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 ASSA ABLOY DSR driver node properties, the ASSA ABLOY DSR node properties, the Access Point node properties, and screen object programming especially the automatically created screen objects.

4.1 ASSA ABLOY DSR Driver Node

The ASSA ABLOY DSR driver node is found by expanding **Setup->Computer Setup->Drivers**.

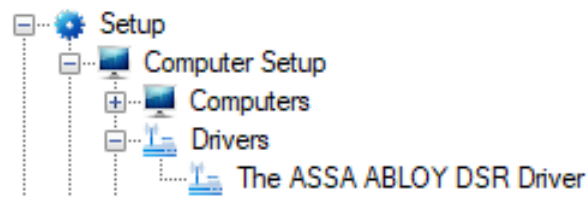


Figure 32 - ASSA ABLOY DSR Driver node in the Project Node Tree

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

There are two (2) tabs on the ASSA ABLOY DSR Driver properties dialog.

- The **Properties** tab
- The **Card Config** tab

ASSA ABLOY DSR Panel Guide

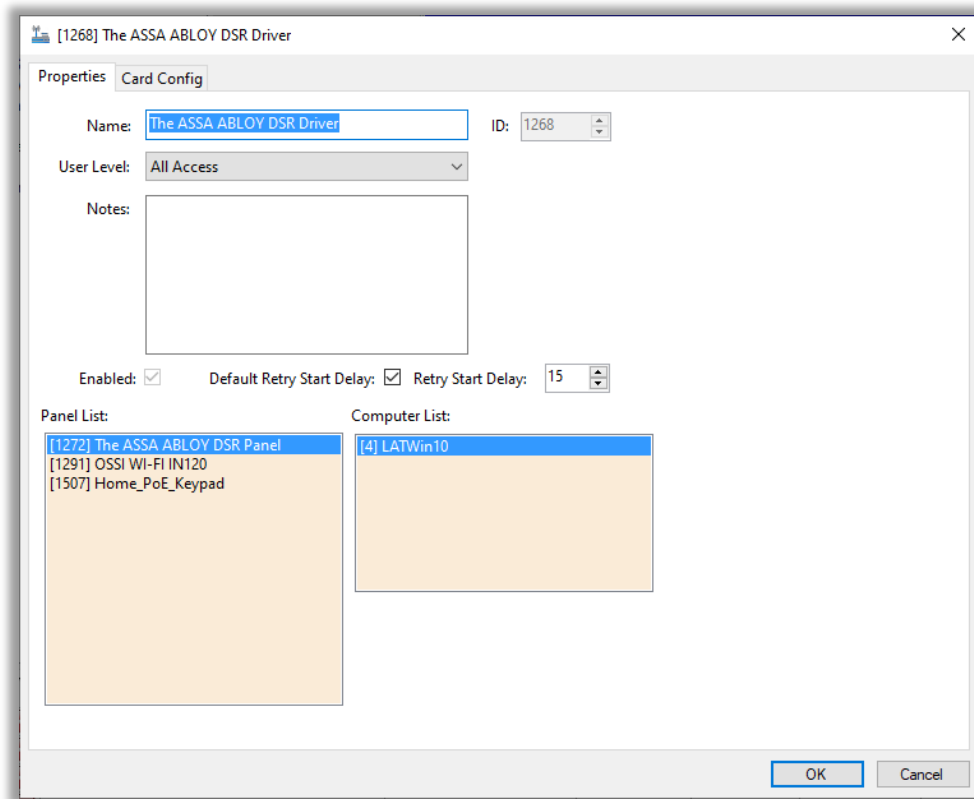


Figure 33 - ASSA ABLOY DSR Driver properties dialog

4.1.1 The *Properties* Tab

The *Properties* tab of the driver properties dialog contains the standard driver properties that govern the basic operation of the driver.

ASSA ABLOY DSR Panel Guide

The screenshot shows a Windows-style dialog box titled "[1268] The ASSA ABLOY DSR Driver". It has two tabs: "Properties" and "Card Config", with "Card Config" currently selected. The "Properties" section contains the following fields:

- Name:** A text box containing "The ASSA ABLOY DSR Driver".
- ID:** A numeric spinner box set to "1268".
- User Level:** A dropdown menu set to "All Access".
- Notes:** A large empty text area.
- Enabled:** A checked checkbox.
- Default Retry Start Delay:** A checked checkbox.
- Retry Start Delay:** A numeric spinner box set to "15".

Below these fields are two list boxes:

- Panel List:** A list box containing three items: "[1272] The ASSA ABLOY DSR Panel", "[1291] OSSI WI-FI IN120", and "[1507] Home_PoE_Keypad". The first item is selected.
- Computer List:** A list box containing one item: "[4] LATWin10", which is selected.

At the bottom right of the dialog are "OK" and "Cancel" buttons.

Figure 34 - The driver *Properties* tab

The fields **Name**, **ID**, **User Level**, and **Notes** are standard on all I/O Point nodes. The fields specific to this node are defined as follows.

Enabled – checkbox; when checked the driver is enabled

Default Retry Start Delay – checkbox (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

Panel List- drop box; the ASSA ABLOY DSR nodes and Access Point panels 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; in a redundant system, there may be multiple computers

ASSA ABLOY DSR Panel Guide

4.1.2 The *Card Config* Tab

The different card configurations used to interpret a card read are defined on the **Card Config** tab. The figure below shows the pre-loaded card configurations.

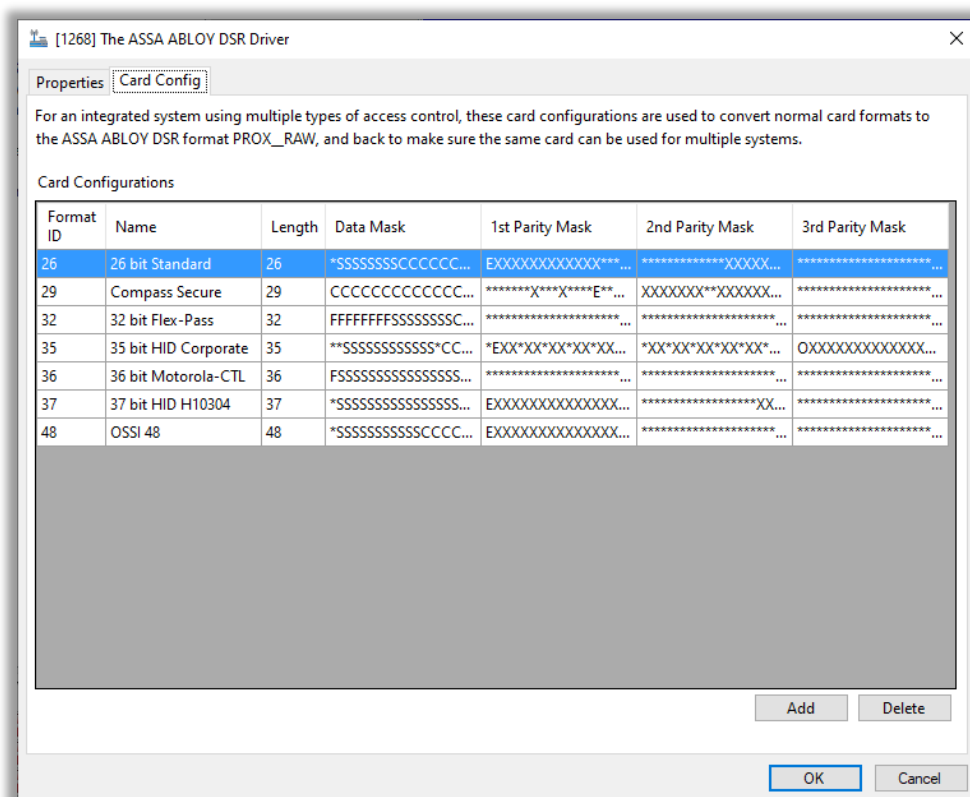


Figure 35 - The *Card Config* tab

If the facility uses a configuration not provided, the integrator will need to add it to this table and modify the **Card Data** screen to include it in the card format options.

If ASSA ABLOY DSR is the only access management system at the installation and the desired card configuration is not in the **Card Configurations** table, see [Appendix I – Using ASSA ABLOY Card Configurations](#).

Note: *If the desired card configuration is greater than 64 bits, see [Appendix I – Using ASSA ABLOY Card Configurations](#).*

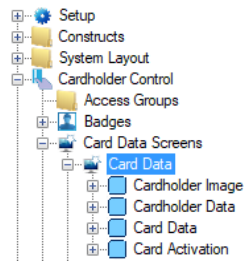
4.1.2.1 Add a New Card Configuration to the Driver

To add a new card configuration, click . A new row is added to the bottom of the table. Give the new configuration a unique **Format ID** and a **Name**. The rest of the columns define the card configuration. It is assumed the integrator adding a card configuration understands each column and each symbol. Click to save the changes.

Note: *The Format ID must be unique for the whole Intelli-Site project. No other card configuration may have the same ID regardless of the driver or the driver type.*

4.1.2.2 Add the New Card Configuration to the Card Data Screen

The **Card Data** screen is found by expanding **Cardholder Control** then **Card Data Screens**.



Double-clicking on **Card Data** opens the screen in the editor. Right-click on the drop-down box next to the label "Card Format". The properties dialog for the **Control – Card Format** screen object opens.

ASSA ABLOY DSR Panel Guide

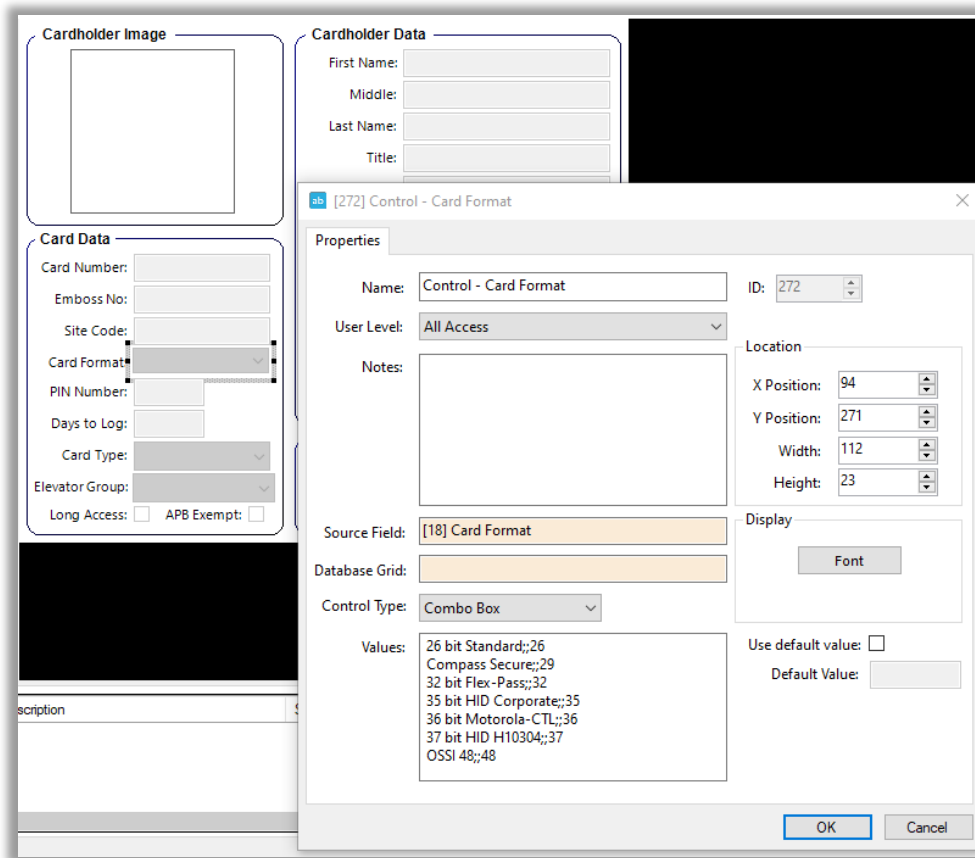



Figure 36 - Control - Card Format properties dialog

In the **Values** list box, add the new card configuration using the format `<Name>;<Format ID>`. The `Format ID` must match the **Format ID** of the new card configuration. Click **OK** to save the changes.

4.2 ASSA ABLOY DSR Panel Node

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

ASSA ABLOY DSR Panel Guide

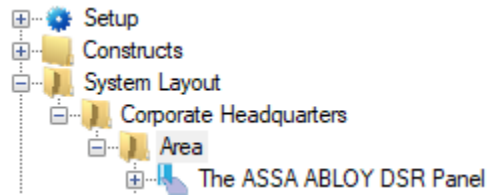


Figure 37 - The ASSA ABLOY DSR panel node in the Project Node Tree

The ASSA ABLOY DSR panel node is the root node for the panel. The following sections will explain:

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

4.2.1 ASSA ABLOY DSR Panel Node Properties Dialog

Right-click on the ASSA ABLOY DSR panel node and select *Properties* to open the properties dialog. There are very few fields. These fields are not used in the regular configuration of the panel. One usually only opens the properties dialog at the request of tech support.

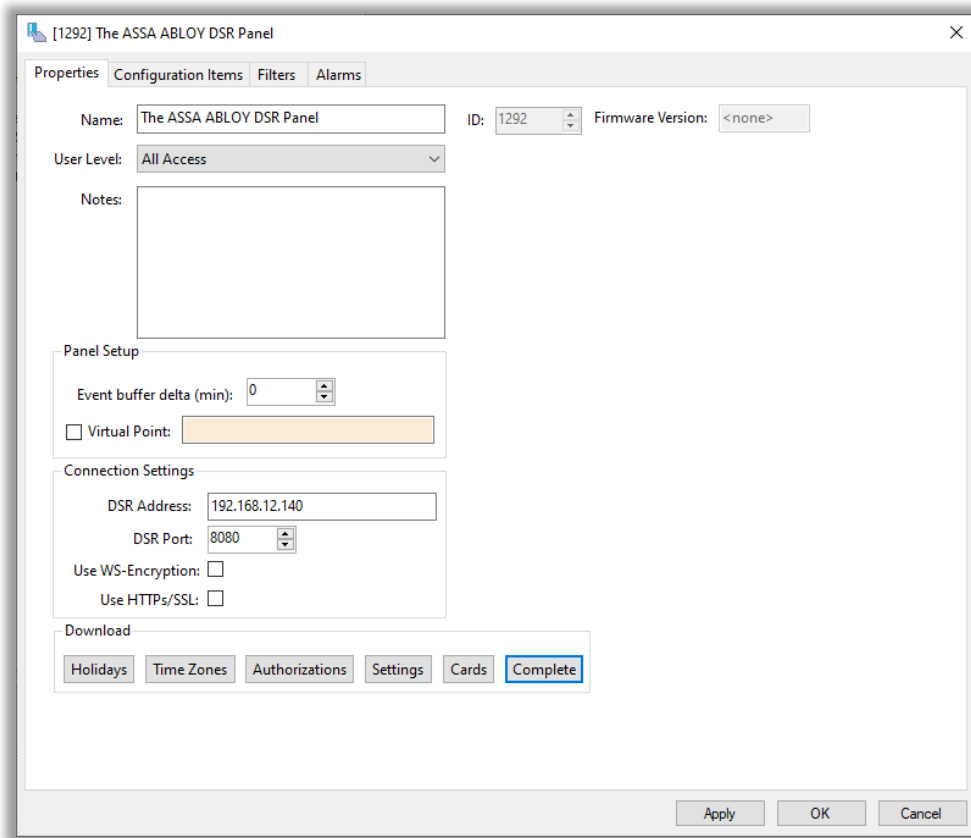
There are four (4) tabs on the properties dialog.

- The **Properties** tab
- The **Configuration Items** tab
- The **Filters** tab
- The **Alarms** tab

ASSA ABLOY DSR Panel Guide

4.2.1.1 The *Properties* Tab

The first tab of the properties dialog is the *Properties* tab.



The screenshot shows the 'Properties' tab of the '[1292] The ASSA ABLOY DSR Panel' dialog. The dialog has four tabs: 'Properties', 'Configuration Items', 'Filters', and 'Alarms'. The 'Properties' tab is active. It contains the following fields and sections:

- Name:** The ASSA ABLOY DSR Panel
- ID:** 1292
- Firmware Version:** <none>
- User Level:** All Access (dropdown menu)
- Notes:** A large empty text area.
- Panel Setup:**
 - Event buffer delta (min):** 0 (numeric input)
 - Virtual Point:** A checkbox and an empty text field.
- Connection Settings:**
 - DSR Address:** 192.168.12.140
 - DSR Port:** 8080
 - Use WS-Encryption:** ☐
 - Use HTTPS/SSL:** ☐
- Download:** A row of buttons: Holidays, Time Zones, Authorizations, Settings, Cards, and Complete (highlighted with a blue border).

At the bottom right of the dialog are three buttons: Apply, OK, and Cancel.

Figure 38 - ASSA ABLOY DSR panel Properties dialog

The fields **Name**, **ID**, **User Level**, and **Notes** are standard on all I/O Point nodes. The fields specific to this node are defined as follows.

Firmware Version – text box; the version of the firmware installed on the ASSA ABLOY DSR

Panel Setup – group box; those fields associated with how the software handles the panel

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

ASSA ABLOY DSR Panel Guide

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

Connection Settings – group box; those fields associated with connecting to the panel

DSR Address – text box; the IP address or hostname of the ASSA ABLOY DSR

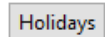

DSR Port – numeric (default:8080); the **Access Data Port** found by using the ASSA ABLOY DSR Support Tool under Configuration Settings->Server Settings->WS Encryption and Port Configuration.

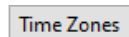

Use WS Encryption – checkbox (default: clear); check when **WS Encryption** in the ASSA ABLOY DSR Support Tool is set to true; found under Configuration Settings->Server Settings->WS Encryption and Port Configuration

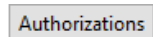

Use TLS/SSL – checkbox (default: clear); check when **TLS/SSL Security** in the ASSA ABLOY DSR Support Tool is set to true; found under Configuration Settings->Server Settings->WS Encryption and Port Configuration


ASSA ABLOY DSR Panel Guide



Download – group box; the buttons used to perform all necessary download functions; when changes to the data that each button downloads are saved, the color of the button is salmon; when the download is complete the color of the button is grey; when any button is clicked the data associated with that button is downloaded and the data associated with all of the buttons to the left it are downloaded as well

 - button; when clicked the last saved Holidays settings are downloaded to the panel; holidays are best managed in  **Access Management View**

 - button; when clicked the last saved Time Zone settings are downloaded to the panel; time zones are best managed in  **Access Management View**

 - button; when clicked the last saved Authorization settings are downloaded to the panel; authorizations are best managed in  **Access Management View**

 - button; when clicked the last saved settings are downloaded to the DSR panel; in addition, the driver downloads the settings of each Access Point by taking the default values defined on the DSR then overlaying the customizations of the Access Point

 - button; when clicked the cards assigned to the Access Points managed by the DSR are downloaded to the panel; cards are managed in  **Access Management View**

 - button; when clicked everything is downloaded

4.2.1.2 The *Configuration Items* Tab

On the **Configuration Items** tab, define the default configuration item settings for an Access Point.

ASSA ABLOY DSR Panel Guide

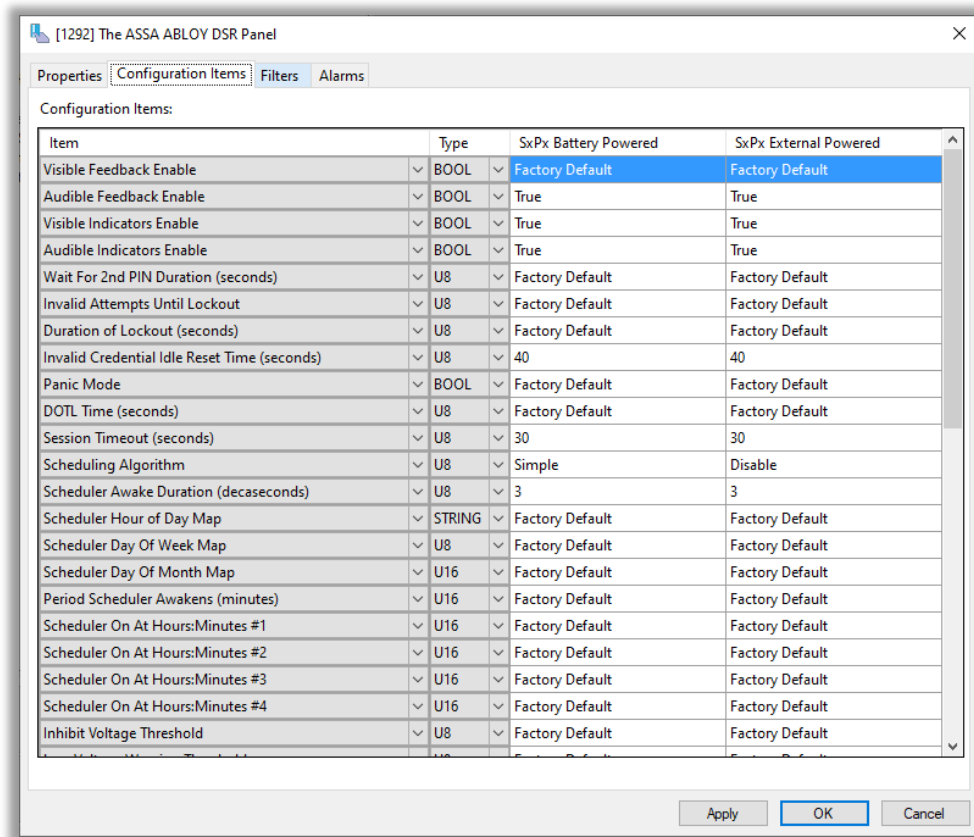


Figure 39 - The *Configuration Items* tab

ASSA ABLOY DSR Panel Guide

4.2.1.3 The *Filters* Tab

On the ***Filters*** tab, define the default filter settings for an Access Point.

The screenshot shows the 'Filters' tab of the '[1292] The ASSA ABLOY DSR Panel' configuration window. The window has four tabs: 'Properties', 'Configuration Items', 'Filters' (selected), and 'Alarms'. Below the tabs, the 'Filters' section contains a table with the following columns: 'Item', 'SxPx Battery Power Reporting', 'SxPx Battery Power Recording', 'SxPx External Power Reporting', and 'SxPx External Power Recording'. The table lists various events, with 'Invalid PIN', 'User Added', and 'User Deleted' having checkboxes checked in all four columns. Other events like 'User', 'One Time', 'Passage Begin', 'Passage End', 'Bad Time', 'Locked Out', 'Low Battery', 'Dead Battery', 'Battery Replaced', 'Emergency', 'Panic', 'Relock', 'Lockout Begin', 'Lockout End', 'Reset', 'Date/Time Set', 'Log Cleared', 'DB Reset', and 'Comm Started' have unchecked checkboxes. The 'OK' button is highlighted in blue at the bottom right.

Item	SxPx Battery Power Reporting	SxPx Battery Power Recording	SxPx External Power Reporting	SxPx External Power Recording
Invalid PIN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
One Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passage Begin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passage End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bad Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Locked Out	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dead Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery Replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User Added	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
User Deleted	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Panic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Relock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lockout Begin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lockout End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date/Time Set	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log Cleared	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DB Reset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm Started	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Figure 40 - The *Filters* tab

ASSA ABLOY DSR Panel Guide

4.2.2 ASSA ABLOY DSR Panel Quick Config Dialog

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 ASSA ABLOY DSR panel node and select *Quick Config*.

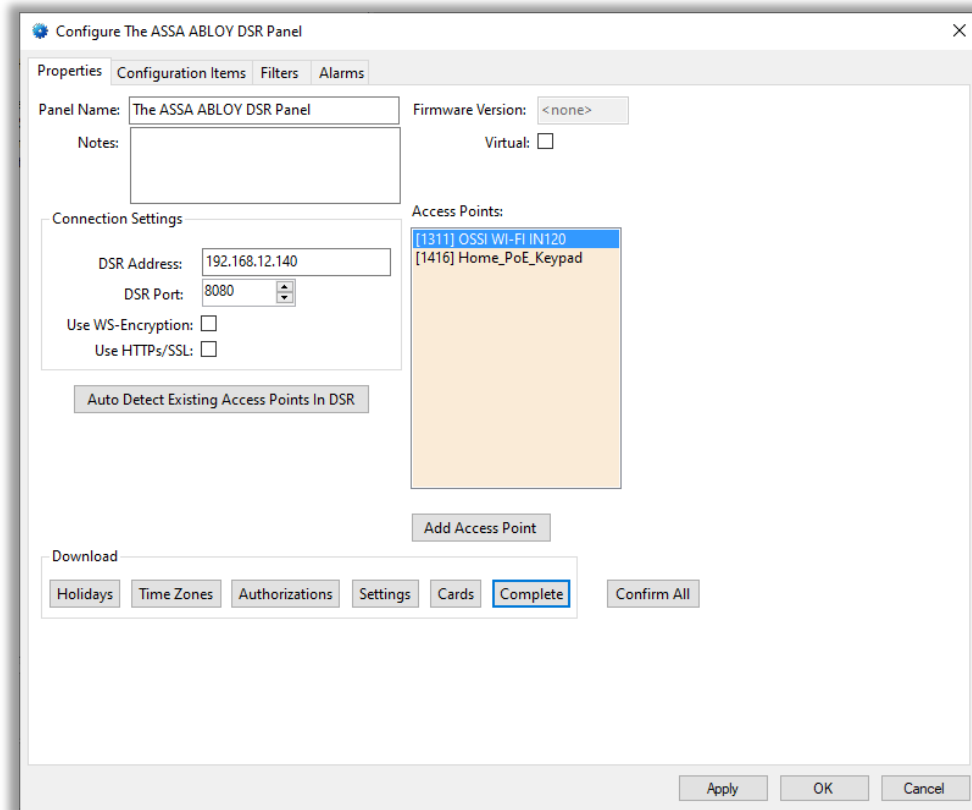


Figure 42 - ASSA ABLOY DSR Quick Config dialog

The configuration data is separated on four (4) tabs.

- **Properties** tab – designates the connection information, can detect and add Access Points, download the various configurations and settings
- **Configuration Items** tab – defines the mappings of floor names to floor numbers
- **Filters** tab – select the filters
- **Alarms** tab – select the alarms

4.2.2.1 The **Properties** tab

The **Properties** tab is the first tab of the **Quick Config** dialog.

ASSA ABLOY DSR Panel Guide

The screenshot shows a software window titled "Configure The ASSA ABLOY DSR Panel" with a close button (X) in the top right corner. The window has four tabs: "Properties", "Configuration Items", "Filters", and "Alarms". The "Properties" tab is active. It contains the following fields and controls:

- Panel Name:** A text box containing "The ASSA ABLOY DSR Panel".
- Notes:** A multiline text box.
- Firmware Version:** A text box containing "< none >".
- Virtual:** A checkbox, currently unchecked.
- Connection Settings:** A group box containing:
 - DSR Address:** A text box containing "192.168.12.140".
 - DSR Port:** A spinner box set to "8080".
 - Use WS-Encryption:** An unchecked checkbox.
 - Use HTTPS/SSL:** An unchecked checkbox.
 - Auto Detect Existing Access Points In DSR:** A button.
- Access Points:** A list box containing two items: "[1311] OSSI WI-FI IN120" (highlighted in blue) and "[1416] Home_PoE_Keypad".
- Add Access Point:** A button below the Access Points list.
- Download:** A group box containing several buttons: "Holidays", "Time Zones", "Authorizations", "Settings", "Cards", "Complete" (highlighted in blue), and "Confirm All".

At the bottom right of the window are three buttons: "Apply", "OK", and "Cancel".

Figure 43 - The Properties tab

Panel Name – text box; the name of the panel in Intelli-Site

Notes – multiline text box; any notes about the panel

Firmware Version – text box; the version of the firmware installed on the ASSA ABLOY DSR

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

Connection Settings – group box; those fields associated with connecting to the panel

DSR Address – text box; the IP address or hostname of the ASSA ABLOY DSR

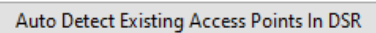
ASSA ABLOY DSR Panel Guide

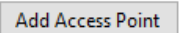
DSR Port – numeric (default:8080); the **Access Data Port** found by using the ASSA ABLOY DSR Support Tool under Configuration Settings->Server Settings->WS Encryption and Port Configuration.

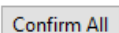
Use WS Encryption – checkbox (default: clear); check when **WS Encryption** in the ASSA ABLOY DSR Support Tool is set to true; found under Configuration Settings->Server Settings->WS Encryption and Port Configuration

Use TLS/SSL – checkbox (default: clear); check when **TLS/SSL Security** in the ASSA ABLOY DSR Support Tool is set to true; found under Configuration Settings->Server Settings->WS Encryption and Port Configuration

Access Points – drop list; the list of Access Points associated with this DSR panel

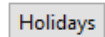

 - button; clicking this button begins the process of detecting the Access Points currently detected by the DSR

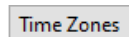

 - button; opens the **Add Access Point** dialog to a single Access Point that may or may not already be detected by the DSR; the Access Point is added to the DSR immediately, but the node is not added to Intelli-Site until the **Quick Config** dialog is saved

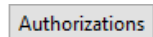

 - button; clicking this button to request the DSR to confirm all of the Access Points


ASSA ABLOY DSR Panel Guide



Download – group box; the buttons used to perform all necessary download functions; when changes to the data that each button downloads are saved, the color of the button is salmon; when the download is complete the color of the button is grey; when any button is clicked the data associated with that button is downloaded and the data associated with all of the buttons to the left it are downloaded as well

 - button; when clicked the last saved Holidays settings are downloaded to the panel; holidays are best managed in  **Access Management View**

 - button; when clicked the last saved Time Zone settings are downloaded to the panel; time zones are best managed in  **Access Management View**

 - button; when clicked the last saved Authorization settings are downloaded to the panel; authorizations are best managed in  **Access Management View**

 - button; when clicked the last saved settings are downloaded to the DSR panel; in addition, the driver downloads the settings of each Access Point by taking the default values defined on the DSR then overlaying the customizations of the Access Point

 - button; when clicked the cards assigned to the Access Points managed by the DSR are downloaded to the panel; cards are managed in  **Access Management View**

 - button; when clicked everything is downloaded

4.2.2.2 The *Configuration Items* Tab

On the **Configuration Items** tab, define the default configuration item settings for an Access Point. All new Access Points added to the DSR will have these settings. In addition, all existing Access Points will receive these settings as updates to the default configuration settings they are using.

ASSA ABLOY DSR Panel Guide

Configure New ASSA ABLOY DSR Panel

Properties Configuration Items Filters Alarms

Configuration Items:

Item	Type	SxPx Battery Powered	SxPx External Powered
Visible Feedback Enable	▼ BOOL	▼ Factory Default	▼ Factory Default
Audible Feedback Enable	▼ BOOL	▼ True	▼ True
Visible Indicators Enable	▼ BOOL	▼ True	▼ True
Audible Indicators Enable	▼ BOOL	▼ True	▼ True
Wait For 2nd PIN Duration (seconds)	▼ U8	▼ Factory Default	▼ Factory Default
Invalid Attempts Until Lockout	▼ U8	▼ Factory Default	▼ Factory Default
Duration of Lockout (seconds)	▼ U8	▼ Factory Default	▼ Factory Default
Invalid Credential Idle Reset Time (seconds)	▼ U8	▼ 40	▼ 40
Panic Mode	▼ BOOL	▼ Factory Default	▼ Factory Default
DOTL Time (seconds)	▼ U8	▼ Factory Default	▼ Factory Default
Session Timeout (seconds)	▼ U8	▼ 30	▼ 30
Scheduling Algorithm	▼ U8	▼ Simple	▼ Disable
Scheduler Awake Duration (decaseconds)	▼ U8	▼ 3	▼ 3
Scheduler Hour of Day Map	▼ STRING	▼ Factory Default	▼ Factory Default
Scheduler Day Of Week Map	▼ U8	▼ Factory Default	▼ Factory Default
Scheduler Day Of Month Map	▼ U16	▼ Factory Default	▼ Factory Default
Period Scheduler Awakens (minutes)	▼ U16	▼ Factory Default	▼ Factory Default
Scheduler On At Hours:Minutes #1	▼ U16	▼ Factory Default	▼ Factory Default
Scheduler On At Hours:Minutes #2	▼ U16	▼ Factory Default	▼ Factory Default
Scheduler On At Hours:Minutes #3	▼ U16	▼ Factory Default	▼ Factory Default
Scheduler On At Hours:Minutes #4	▼ U16	▼ Factory Default	▼ Factory Default
Inhibit Voltage Threshold	▼ U8	▼ Factory Default	▼ Factory Default

Apply OK Cancel

Figure 44 - The Configuration Items tab

ASSA ABLOY DSR Panel Guide

4.2.2.3 The *Filters* Tab

On the ***Filters*** tab, define the default filter settings for an Access Point. All new Access Points added to the DSR will have these settings. In addition, all existing Access Points will receive these settings as updates to the default filter settings they are using.

Configure New ASSA ABLOY DSR Panel

Properties Configuration Items **Filters** Alarms

Filters:

Item	SxPx Battery Power Reporting	SxPx Battery Power Recording	SxPx External Power Reporting	SxPx External Power Recording
Invalid PIN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
One Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passage Begin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passage End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bad Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Locked Out	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dead Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery Replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User Added	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
User Deleted	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Panic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Relock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lockout Begin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lockout End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date/Time Set	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log Cleared	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DB Reset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm Started	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Apply OK Cancel

Figure 45 - The *Filters* tab

ASSA ABLOY DSR Panel Guide

4.2.2.4 The *Alarms* Tab

On the ***Alarms*** tab, define the default alarm settings for an Access Point. All new Access Points added to the DSR will have these settings. In addition, all existing Access Points will receive these settings as updates to the default alarm settings they are using.

Configure New ASSA ABLOY DSR Panel

Properties Configuration Items Filters **Alarms**

Alarms: |----- Battery Powered -----| |----- External Powered -----|

Item	Security Mode	Passage Mode	Rx Held Mode	Log When Sec	Log In Passage Mode	Log When Rx Held Mode	Security Mode	Passage Mode	Rx Held Mode	Log When Sec	Log In Passage Mode	Log When Rx Held Mode
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Valid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Denied	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Door Secured	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Door Forced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Key Override	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Invalid Entry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DOTL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Low Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
REX Held	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Real Time Clock Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tamper Alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tamper Restore	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Door Open	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Closed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
REX Depressed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardware Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Harvest Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Apply OK Cancel

Figure 46 - The *Alarms* tab

4.2.3 ASSA ABLOY DSR Panel Child Nodes

The ASSA ABLOY DSR panel has three (3) child nodes.

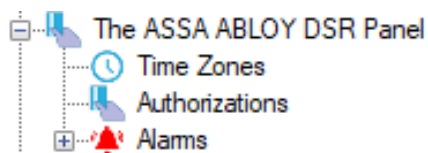


Figure 47 – The ASSA ABLOY DSR panel child nodes

ASSA ABLOY DSR Panel Guide

4.2.3.1 Time Zones Node

This node is the root node for Time Zones if **Global Time Zones** is not enabled. **Global Time Zones** is a property on the **Setup** node. **Global Time Zones** is enabled by default. The global ASSA ABLOY DSR time zones are found under **Cardholder Control**.

Expanding **Cardholder Control** then **Time Zones** reveals all of the access control panel types in the Project. Each panel type has their own time zones.

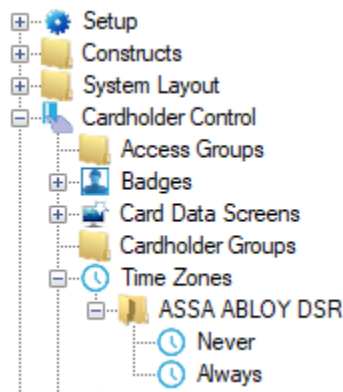


Figure 48 - ASSA ABLOY DSR Time Zone nodes

Note: The preferred method for managing Time Zones is  **Access Management View**. See [Holidays & Time Zones Tab](#)

ASSA ABLOY DSR Panel Guide

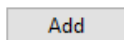
The screenshot shows a software dialog box titled "[1291] Always". It contains several input fields and sections. At the top, there's a "Name" field with "Always" and an "ID" dropdown set to "1291". Below these are "User Level" (set to "All Access") and "Notes" (a large empty text area). To the right of "Notes" is a "Holiday Groups" section, which is an empty orange box. Below the "Notes" area is a "Day Periods" section containing a list box with one item: "All Days 00:00:00 - 23:59:59". Below the list box are "Add" and "Delete" buttons. To the right of "Day Periods" is a "Day Period Data" section. It includes a table for days of the week (Mon-Sun) with checkboxes, all of which are checked. Below this is a "Time Periods" table with two columns: "Start Time" and "End Time". The "Start Time" row shows "12:00:00 AM" and the "End Time" row shows "11:59:59 PM". Below the "Time Periods" table are "Add" and "Delete" buttons. At the bottom right of the dialog are "OK" and "Cancel" buttons.


Figure 49 - Time Zone properties dialog

The fields **Name**, **ID**, **User Level**, and **Notes** are standard on all I/O Point nodes. The fields specific to this node are defined as follows.

Holiday Groups – drop list; the holiday groups included in this time zone; usually **No Holidays** or **All Holidays**; if additional holiday groups are needed, see the User's Guide section: **The Project Node Tree -> Cardholder Control -> Holiday Groups**.

Day Periods – list box; list of the defined day periods

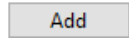
 - button; add a new day period

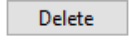
 - button; delete the selected day period

Day Period Data – group box; the data for the selected Day Period

ASSA ABLOY DSR Panel Guide

Mon, Tue, Wed, Thu, Fri, Sat, Sun – checkboxes; the days of the week included in the selected Day Period

 - button; add a new time period

 - button; delete the selected time period

4.2.3.2 Authorization Nodes

This node is the root node for Authorization nodes. An authorization is ASSA ABLOY for access entry.

Note: The preferred method for managing Authorizations is  Access Management View. See [Access Sets Tab](#)

ASSA ABLOY DSR Panel Guide

The screenshot shows a software window titled "[1521] New Authorization". It contains several input fields and dropdown menus. The "Name" field is filled with "New Authorization". The "ID" field shows "1521". The "User Level" dropdown is set to "All Access". There is a large empty text box for "Notes". The "Authorization Type" dropdown is set to "Access". The "Use Count" is a numeric field set to "0". The "Time Zone" dropdown is set to "Never". Below these is a large empty rectangular area for "Access Points". At the bottom right are "OK" and "Cancel" buttons.

Figure 50 - Authorization properties dialog

The fields **Name**, **ID**, **User Level**, and **Notes** are standard on all I/O Point nodes. The fields specific to this node are defined as follows.

Authorization Type – drop-down list (values: *Access*, *Lock*, *Unlock*, *WakeUp*, *AccessOverrideDeadbolt*, *UAPM*, *LimitedUse*); the type of authorization this is

Use Count – numeric (default: 0); the number of times a card with this authorization can be used before it expires; only applies if the **Authorization Type** is *LimitedUse*; when the number of uses for a limited use card is exhausted, the authorization for that Access Point and card must be specifically removed

ASSA ABLOY DSR Panel Guide

Time Zone – drop-down list (values: all available time zones); the time zone that applies to this authorization definition

Access Points – drop list box; the Access Points included in this authorization definition

4.2.3.3 Alarms

Expanding the **Alarms** node reveals **Panel Status** node, the only alarm for this panel.

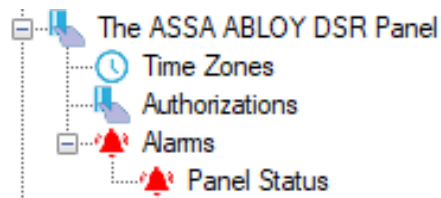


Figure 51 - The ASSA ABLOY DSR panel Alarms child nodes

Right-click on this node and select *Properties* to open the properties dialog. This node is a standard I/O Point with no extra fields.

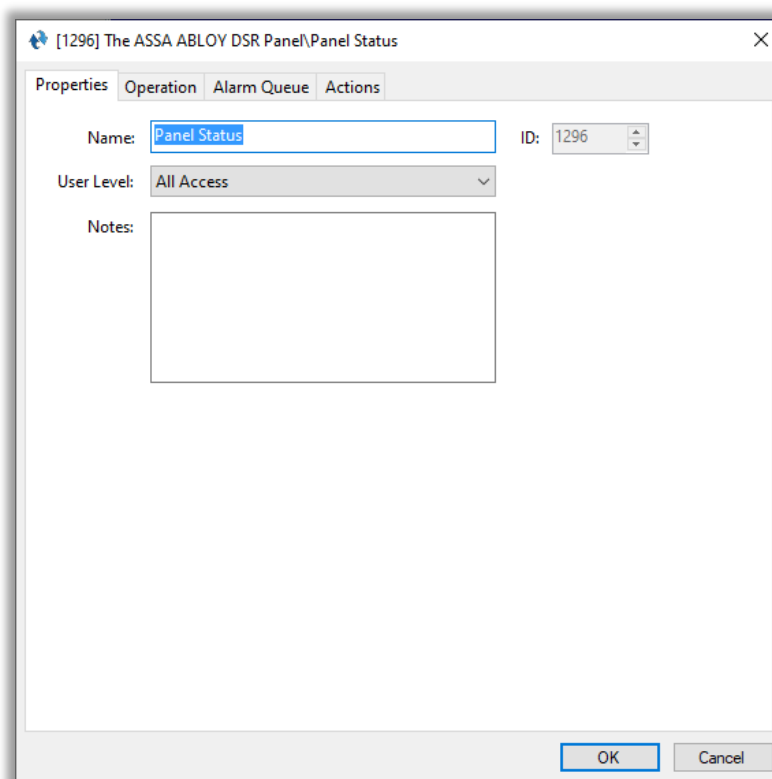



Figure 52 - Alarm node properties dialog

ASSA ABLOY DSR Panel Guide

4.3 Access Point Panel Node

The Access Point panel nodes are found by expanding **System Layout** then the Site and Area to which the ASSA ABLOY DSR panel was added in  **Hardware Management View**. In the example below, the panel was added to the site named **Corporate Headquarters** and the area named **Area**.

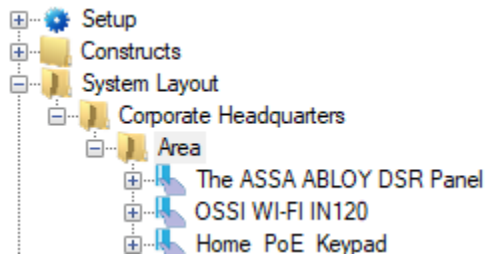


Figure 53 – The Access Point panel nodes in the Project Node Tree

The Access Point panel nodes are located at the same level in the Tree as the ASSA ABLOY DSR node. The following sections will explain:

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

4.3.1 Access Point Panel Node Properties Dialog

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

ASSA ABLOY DSR Panel Guide

[1311] OSSI WI-FI IN120

Properties Configuration Items Filters Alarms

Name: OSSI WI-FI IN120 ID: 1311 Firmware Version: 3_0p09_cx_v3532

User Level: All Access

Notes:

Access Point ID: b532d025-1b8b-49d3-bbcc-e8b7a85fd4c4

Access Point Type: SxPx Battery Powered

Serial Number: PC743D0156SF06AA

Sync Status: Pending

Last Seen: 07/11/2021 17:22

Last Comm Error: 05/06/2021 14:23

Confirmed: ☒

Refresh

Panel Setup

Event buffer delta (min): 0

☐ Virtual Point:

Attributes:

Attribute	Value
Network RSSI	-49
TLS CA Certificate Val...	N/A
Coin Cell Voltage	3.25
TLS Client Certificate ...	N/A

Mode Schedule:

Time Zone	Mode
Always	Primary Only

Add Delete

Download

Holidays Time Zones Authorizations Settings Cards Complete

Apply OK Cancel

Figure 54 – Access Point properties dialog

The configuration data is separated on four (4) tabs.

- **Properties** tab – designates the Access Point information, download the various configurations and settings
- **Configuration Items** tab – defines the mappings of floor names to floor numbers
- **Filters** tab – select the filters
- **Alarms** tab – select the alarms

4.3.1.1 The **Properties** tab

The **Properties** tab is the first tab of the **Quick Config** dialog.

ASSA ABLOY DSR Panel Guide

[1311] OSSI WI-FI IN120

Properties Configuration Items Filters Alarms

Name: OSSI WI-FI IN120 ID: 1311 Firmware Version: 3_0p09_cx_v3532

User Level: All Access

Notes:

Access Point ID: b532d025-1b8b-49d3-bbcc-e8b7a85fd4c4

Access Point Type: SxPx Battery Powered

Serial Number: PC743D0156SF06AA

Sync Status: Pending

Last Seen: 07/11/2021 17:22

Last Comm Error: 05/06/2021 14:23

Confirmed: ☒

Refresh

Panel Setup

Event buffer delta (min): 0

☐ Virtual Point:

Attributes:

Attribute	Value
Network RSSI	-49
TLS CA Certificate Val...	N/A
Coin Cell Voltage	3.25
TLS Client Certificate ...	N/A

Mode Schedule:

Time Zone	Mode
Always	Primary Only

Add Delete

Download

Holidays Time Zones Authorizations Settings Cards Complete

Apply OK Cancel

Figure 55 - The Properties tab

The fields **Name**, **ID**, **User Level**, and **Notes** are standard on all I/O Point nodes. The fields specific to this node are defined as follows.

Firmware Version – text box; the version of the firmware installed on the Access Point

Auto-download Valid Cards – checkbox; when a card is presented at a reader on this panel, Intelli-Site will check to see if the card is valid. If the card is valid, it will download the card to the panel immediately.

Panel Setup – group box; those properties related to panel setup

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

ASSA ABLOY DSR Panel Guide

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

Access Point ID – informational; the unique identifier of this Access Point

Access Point Type - informational; the type of Access Point

Serial Number - informational; the serial number of the Access Point


Sync Status – informational; the current synchronization status between the DSR and the Access Point

Last Seen - informational; the last time the DSR communicated with the Access Point

Last Comm Error - informational; the last time there was a communication error with the Access Point

Confirmed – checkbox; is the Access Point confirmed by the DSR?

DSR Actions – group box; the buttons used to perform all necessary Access Point functions

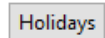

 - button; refresh the data on this dialog

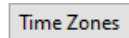

Attributes – table; the attributes of the Access Point; this table is empty until the Access Point wakes up and contacts the DSR. Once loaded from the Access Point, the attributes can be modified and downloaded along with the settings

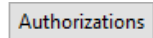

Mode Schedule – table; associates a time zone with a mode; when the designated **Time Zone** is active, the Access Point will be in the corresponding **Mode**


ASSA ABLOY DSR Panel Guide



Download – group box; the buttons used to perform all necessary download functions; when changes to the data that each button downloads are saved, the color of the button is salmon; when the download is complete the color of the button is grey; when any button is clicked the data associated with that button is downloaded and the data associated with all of the buttons to the left it are downloaded as well

 - button; when clicked the last saved Holidays settings are downloaded to the panel; holidays are best managed in  **Access Management View**

 - button; when clicked the last saved Time Zone settings are downloaded to the panel; time zones are best managed in  **Access Management View**

 - button; when clicked the last saved Authorization settings are downloaded to the panel; authorizations are best managed in  **Access Management View**

 - button; when clicked the last saved settings are downloaded to the panel by reading in the default settings as defined on the DSR and overlaying the customized settings for this Access Point

 - button; when clicked the cards assigned to this Access Points are downloaded to the panel; cards are managed in  **Access Management View**

 - button; when clicked everything is downloaded

4.3.1.2 The *Configuration Items* Tab

On the ***Configuration Items*** tab, define the custom configuration item settings for this Access Point.

ASSA ABLOY DSR Panel Guide

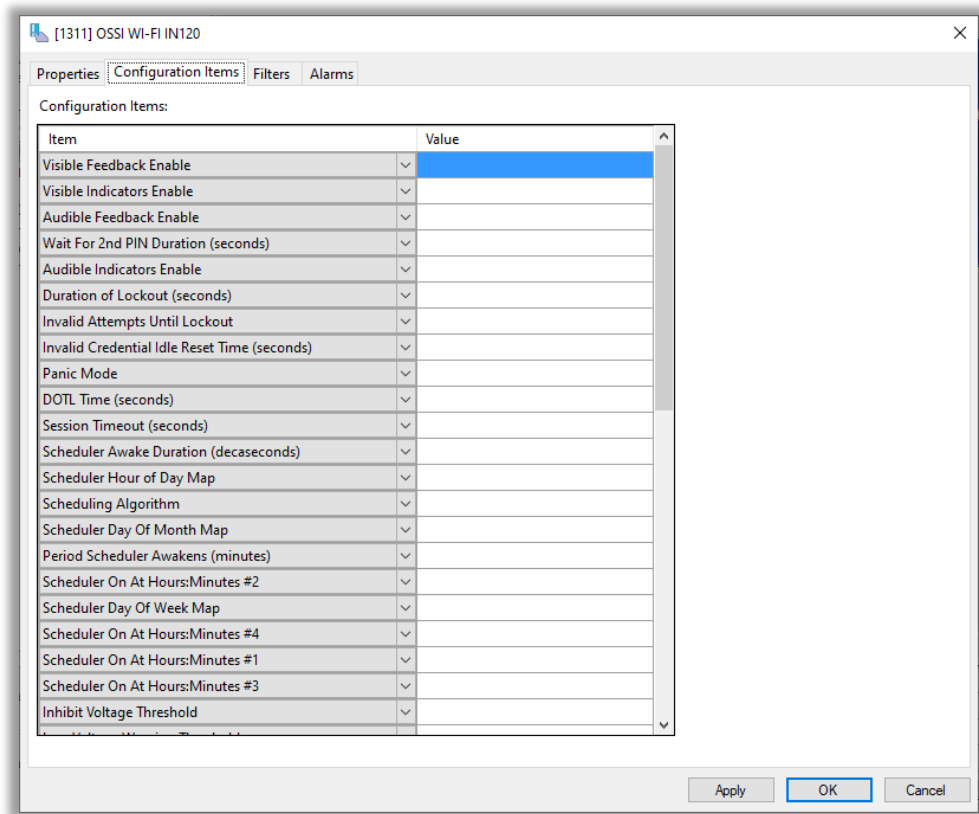


Figure 56 - The Configuration Items tab

ASSA ABLOY DSR Panel Guide

4.3.1.3 The *Filters* Tab

On the ***Filters*** tab, define the custom filter settings for this Access Point.

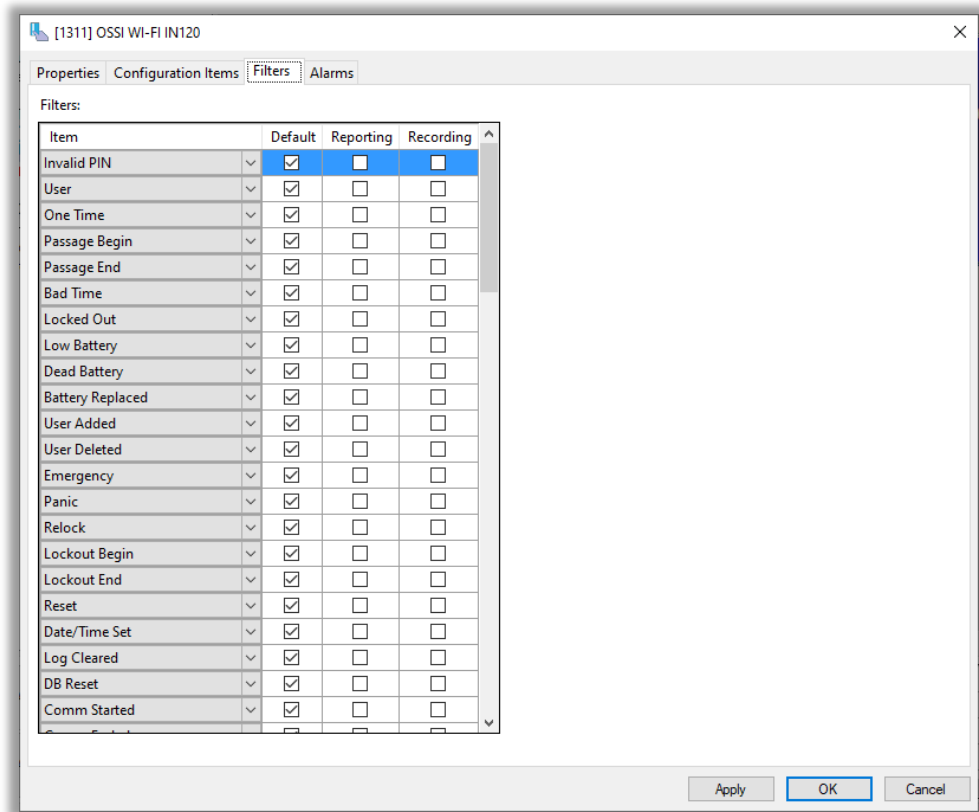


Figure 57 - The *Filters* tab

ASSA ABLOY DSR Panel Guide

4.3.1.4 The *Alarms* Tab

On the ***Alarms*** tab, define the custom alarm settings for this Access Point.

The screenshot shows the configuration window for the [1311] OSSI WI-FI IN120 device. The 'Alarms' tab is selected, displaying a table of alarm settings. The table has columns for Item, Default, Security Mode, Passage Mode, Rx Held Mode, Log When Sec, Passage Mode, and Rx Held Mode. The 'None' row is highlighted in blue.

Item	Default	Security Mode	Passage Mode	Rx Held Mode	Log When Sec	Passage Mode	Rx Held Mode
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Denied	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Secured	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Forced	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Key Override	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Invalid Entry	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DOTL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low Battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
REX Held	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Real Time Clock Failure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tamper Alarm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tamper Restore	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Closed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
REX Depressed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardware Failure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Harvest Failure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

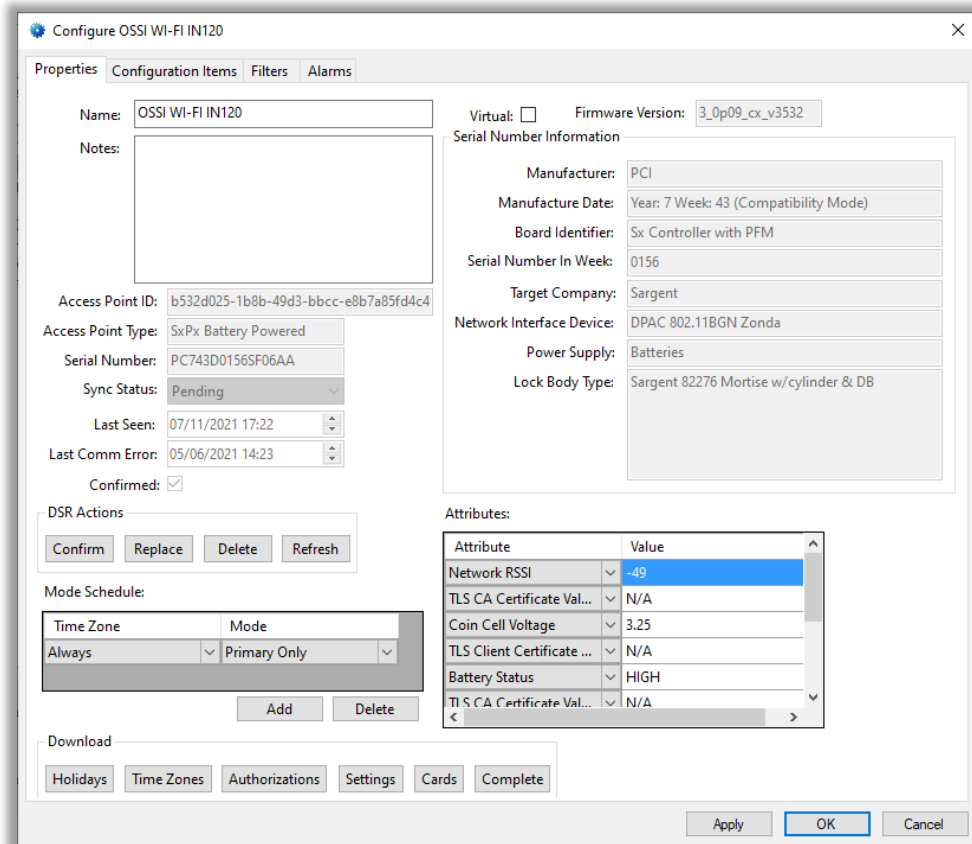
Buttons: Apply, OK, Cancel

Figure 58 - The *Alarms* tab

ASSA ABLOY DSR Panel Guide

4.3.2 Access Point Panel Node 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 Access Point panel node and select *Quick Config*.



Attribute	Value
Network RSSI	-49
TLS CA Certificate Val...	N/A
Coin Cell Voltage	3.25
TLS Client Certificate ...	N/A
Battery Status	HIGH
TI S CA Certificate Val...	N/A

Figure 59 – Access Point Quick Config dialog

The configuration data is separated on four (4) tabs.

- **Properties** tab – designates the Access Point information, download the various configurations and settings
- **Configuration Items** tab – defines the mappings of floor names to floor numbers
- **Filters** tab – select the filters
- **Alarms** tab – select the alarms

4.3.2.1 The Properties tab

The **Properties** tab is the first tab of the **Quick Config** dialog.

ASSA ABLOY DSR Panel Guide

Configure OSSI WI-FI IN120

Properties | Configuration Items | Filters | Alarms

Name: OSSI WI-FI IN120

Notes:

Access Point ID: b532d025-1b8b-49d3-bbcc-e8b7a85fd4c4

Access Point Type: SxPx Battery Powered

Serial Number: PC743D0156SF06AA

Sync Status: Pending

Last Seen: 07/11/2021 17:22

Last Comm Error: 05/06/2021 14:23

Confirmed: ☒

DSR Actions: Confirm Replace Delete Refresh

Mode Schedule:

Time Zone	Mode
Always	Primary Only

Add Delete

Download: Holidays Time Zones Authorizations Settings Cards Complete

Virtual: ☐ Firmware Version: 3_0p09_cx_v3532

Serial Number Information:

Manufacturer: PCI

Manufacture Date: Year: 7 Week: 43 (Compatibility Mode)

Board Identifier: Sx Controller with PFM

Serial Number In Week: 0156

Target Company: Sargent

Network Interface Device: DPAC 802.11BGN Zonda

Power Supply: Batteries

Lock Body Type: Sargent 82276 Mortise w/cylinder & DB

Attributes:

Attribute	Value
Network RSSI	-49
TLS CA Certificate Val...	N/A
Coin Cell Voltage	3.25
TLS Client Certificate ...	N/A
Battery Status	HIGH
TI S CA Certificate Val...	N/A

Apply OK Cancel

Figure 60 - The Properties tab

Name – text box; the name of the panel in Intelli-Site

Notes – multiline text box; any notes about the panel

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

Firmware Version – text box; the version of the firmware installed on the Access Point

Serial Number Information – group box; the information contained in the serial number; no fields are editable

Manufacturer – informational; company that made the Access Point

Manufacture Date – informational; when the Access Point was manufactured

ASSA ABLOY DSR Panel Guide

Board Identifier – informational; which board

Serial Number In Week – informational; the “in week” of the serial number

Target Company – informational; company for which this access point was targeted

Network Interface Device – informational; the type of network interface device in the Access Point

Power Supply – informational; batteries or PoE

Lock Body Type – informational; describe the lock body of the Access Point

Access Point ID – informational; the unique identifier of this Access Point

Access Point Type - informational; the type of Access Point

Serial Number - informational; the serial number of the Access Point


Last Seen - informational; the last time the DSR communicated with the Access Point

Last Comm Error - informational; the last time there was a communication error with the Access Point


ASSA ABLOY DSR Panel Guide

DSR Actions – group box; the buttons used to perform all necessary Access Point functions

 - button; request the DSR confirm this Access Point

 - button; initiate a replace request for this Access Point; when click a **Replace Access Point** dialog displays, allowing the user to enter the new serial number

 - button; delete this Access Point from the DSR and from Intelli-Site

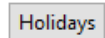

 - button; refresh the data on this dialog

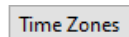

Mode Schedule – table; associates a time zone with a mode; when the designated **Time Zone** is active, the Access Point will be in the corresponding **Mode**

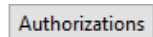

Attributes – table; the attributes of the Access Point; this table is empty until the Access Point wakes up and contacts the DSR. Once loaded from the Access Point, the attributes can be modified and downloaded along with the settings


ASSA ABLOY DSR Panel Guide



Download – group box; the buttons used to perform all necessary download functions; when changes to the data that each button downloads are saved, the color of the button is salmon; when the download is complete the color of the button is grey; when any button is clicked the data associated with that button is downloaded and the data associated with all of the buttons to the left it are downloaded as well

 - button; when clicked the last saved Holidays settings are downloaded to the panel; holidays are best managed in  **Access Management View**

 - button; when clicked the last saved Time Zone settings are downloaded to the panel; time zones are best managed in  **Access Management View**

 - button; when clicked the last saved Authorization settings are downloaded to the panel; authorizations are best managed in  **Access Management View**

 - button; when clicked the last saved settings are downloaded to the panel by reading in the default settings as defined on the DSR and overlaying the customized settings for this Access Point

 - button; when clicked the cards assigned to the Access Points managed by the DSR are downloaded to the panel; cards are managed in  **Access Management View**

 - button; when clicked everything is downloaded

4.3.2.2 The *Configuration Items* Tab

On the ***Configuration Items*** tab, define the custom configuration item settings for this Access Point.

ASSA ABLOY DSR Panel Guide

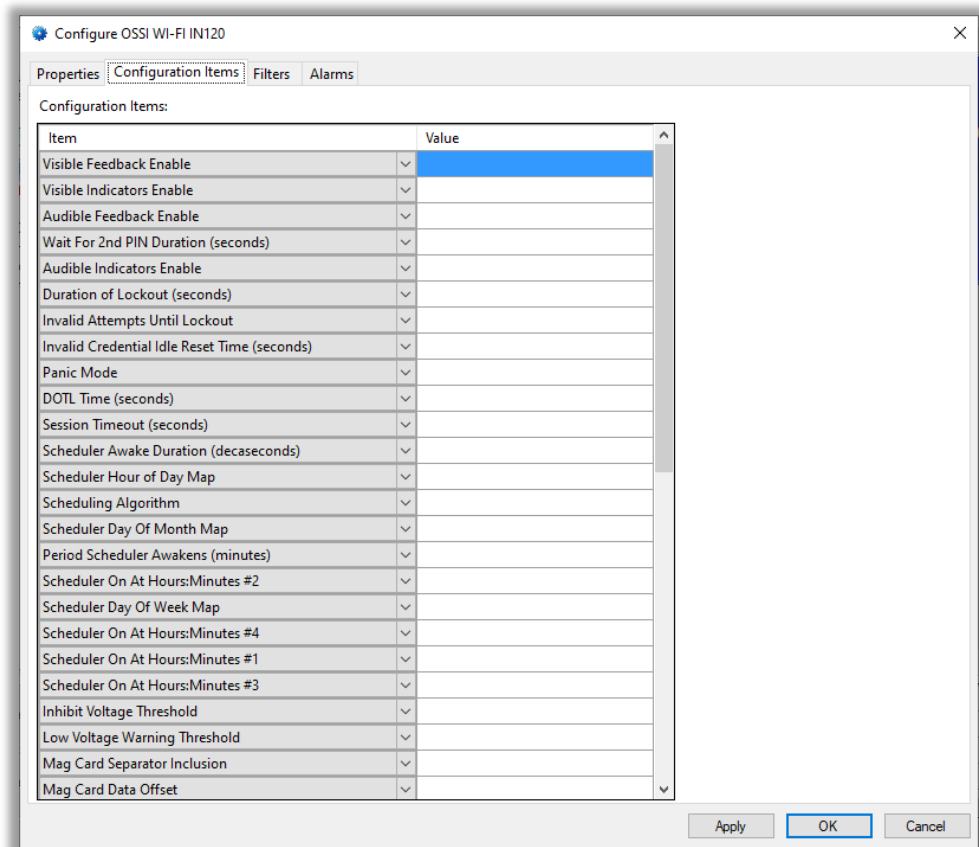


Figure 61 - The Configuration Items tab

If nothing is entered in the **Value** cell of row, the default value is used. Go to the DSR panel **Quick Config** dialog to see what the value actually is.

ASSA ABLOY DSR Panel Guide

4.3.2.3 The *Filters* Tab

On the ***Filters*** tab, define the custom filter settings for this Access Point.

Note: For an item to be customized, the integrator must clear the **Default** checkbox for that item.

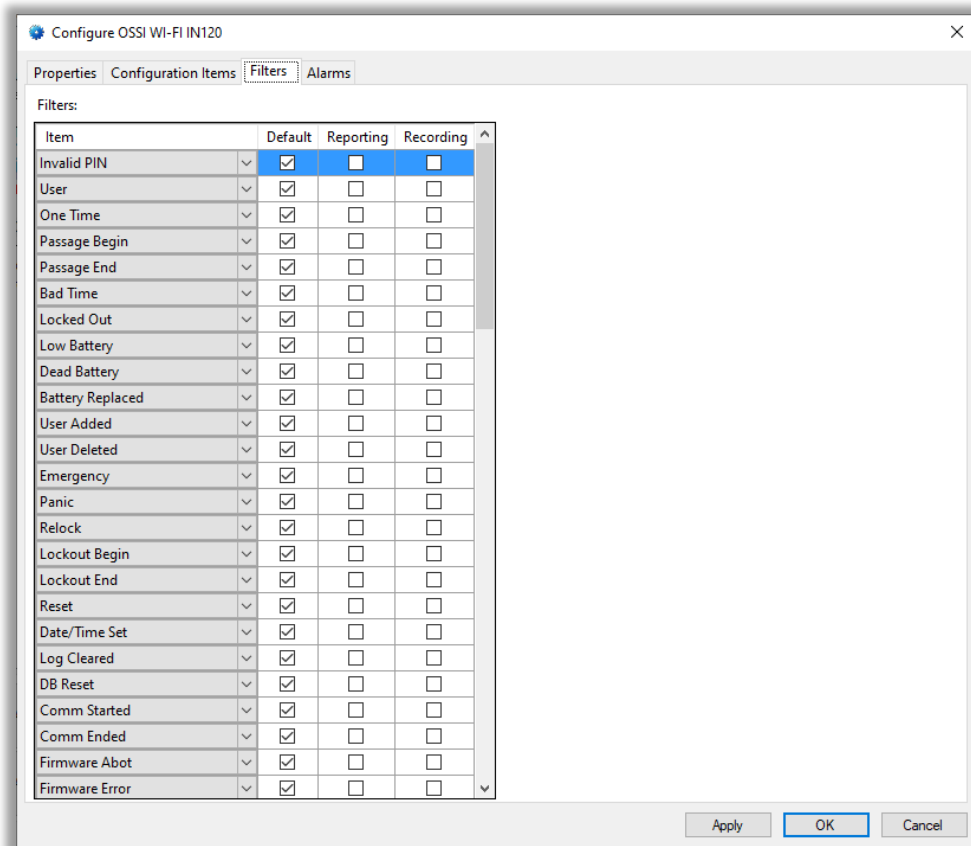


Figure 62 - The *Filters* tab

ASSA ABLOY DSR Panel Guide

4.3.2.4 The *Alarms* Tab

On the ***Alarms*** tab, define the custom alarm settings for this Access Point.

Note: For an item to be customized, the integrator must clear the **Default** checkbox for that item.

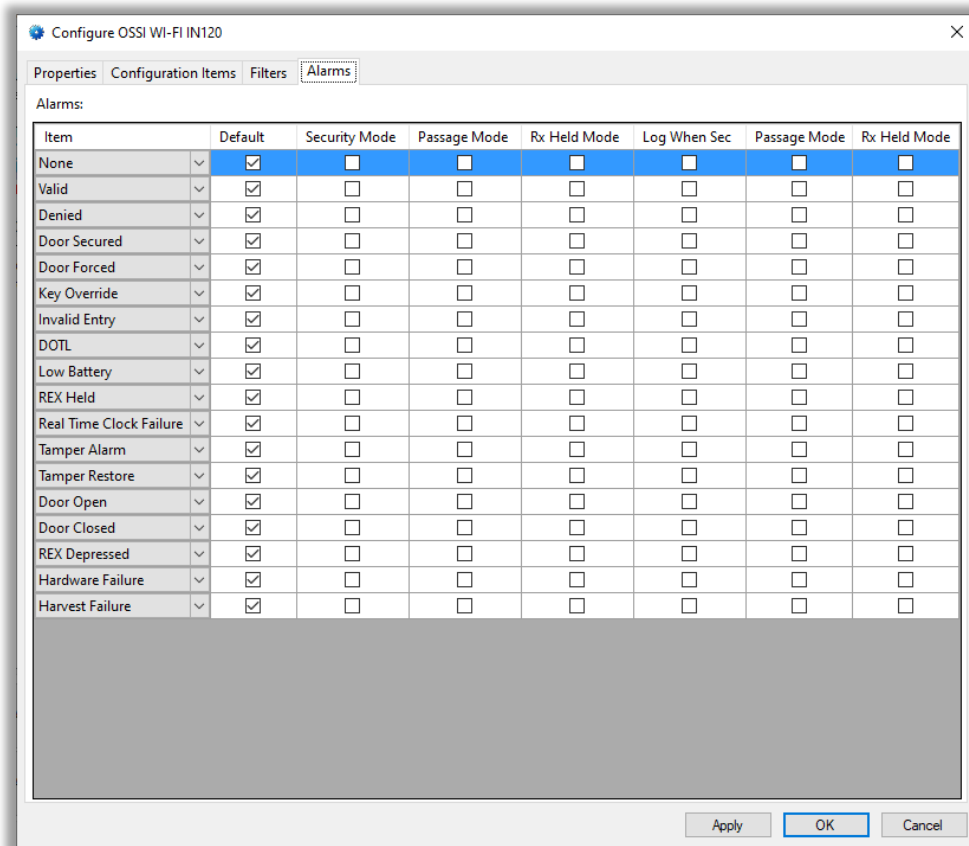


Figure 63 - The *Alarms* tab

4.3.3 Access Point Panel Child Nodes

Every Access Point has four (4) child nodes.

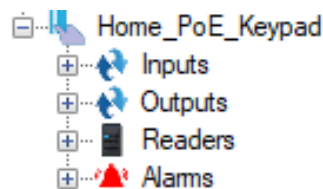


Figure 64 - Access Point child nodes

ASSA ABLOY DSR Panel Guide

4.3.3.1 Inputs

Expanding the **Inputs** node reveals the inputs from the Access Point.

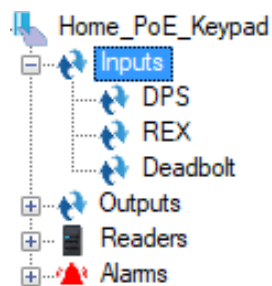


Figure 65 - Inputs child nodes

Each of these nodes are standard I/O Points. When the DSR reports the input is on, the corresponding input point is set. When the DSR reports the input is off, the corresponding input point is turned off.

There are no unique properties to these points.

4.3.3.2 Outputs

Expanding the **Outputs** node reveals the outputs from the Access Point.

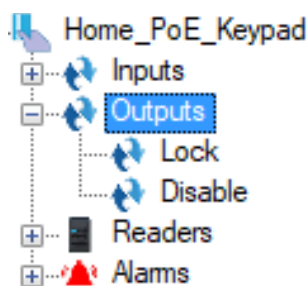


Figure 66 – Outputs child nodes

Each of these nodes are standard I/O Points. When the DSR reports the output is on, the corresponding output point is set. When the DSR reports the output is off, the corresponding output point is turned off.

There are no unique properties to these points.

ASSA ABLOY DSR Panel Guide

4.3.3.3 Readers

Expanding the **Readers** node reveals the reader note of the Access Point.

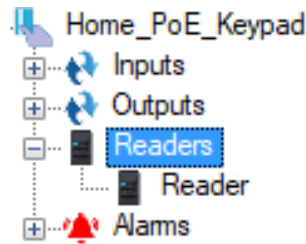


Figure 67 – Readers child node

This node is a standard I/O Point. When the DSR reports the reader is on, the corresponding reader point is set. When the DSR reports the reader is off, the corresponding output point is turned off.

There are no unique properties to these points.

4.3.3.4 Alarms

Expanding the **Alarms** node reveals the various alarms for the Access Point. Several of the alarms have substates. The first substate is the "normal" state, the state the point is in when it is off. The substates give more information about the alarm in question.

ASSA ABLOY DSR Panel Guide

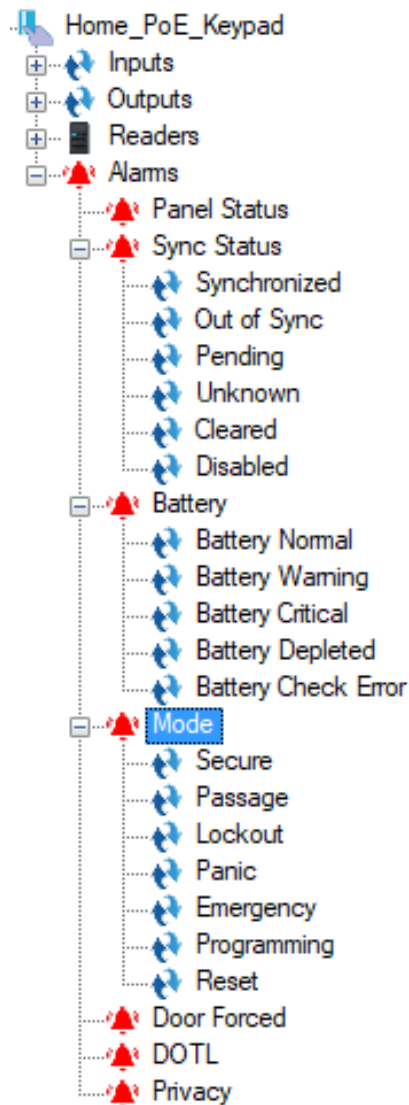


Figure 68 - The Alarms child nodes

Each alarm and each substate are simple I/O Points.

Note: The default Alarm Queue settings supplied are the same for both battery powered and PoE Access Points. Battery powered Access Points are online for very brief instances. Consider changing the Panel Status alarm settings for battery powered Access Points so the Alarm Queue will not be overrun by unnecessary panel status alarms.

5 Access Management View

ASSA ABLOY DSR can be configured to allow or deny access to Access Points for an individual cardholder. Intelli-Site treats the ASSA ABLOY DSR much the same way as any other access control panel.

Access Management is handled in  **Access Management View**. To switch to  **Access Management View**, click on **Menu** ▾ and select .

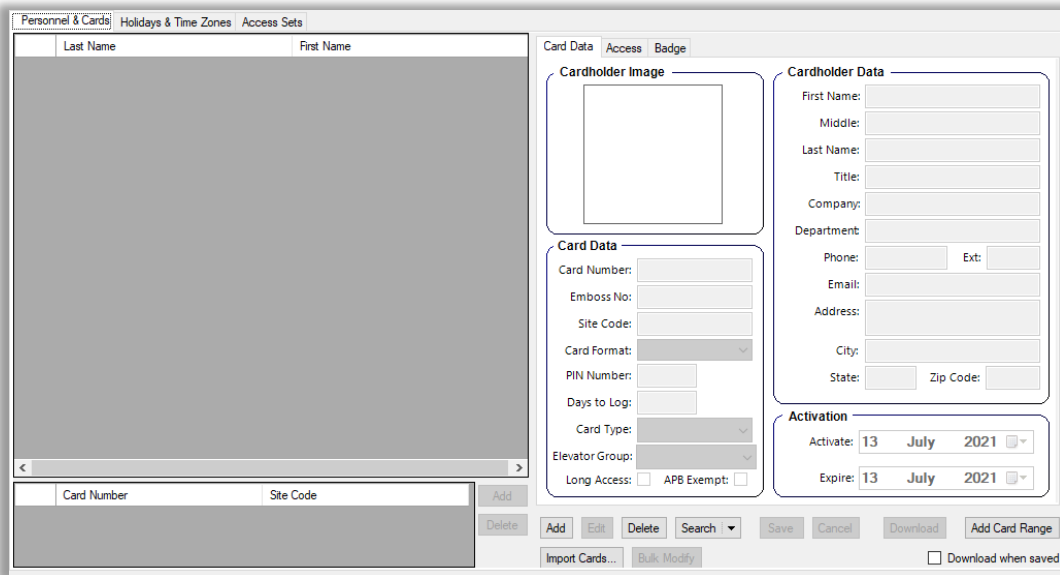


Figure 69 - Access Management View

Normal day-to-day activity for this View is card and cardholder management. That is why the **Personnel & Cards** tab is the default tab. But before a card can be added and assigned access, time zones, authorizations, and access sets must be defined.

Note: This guide will only present information specific to the ASSA ABLOY DSR panel. To understand Access Management View as a whole, see the User's Guide section entitled Access Management View.

5.1 Holidays & Time Zones Tab

The ASSA ABLOY DSR time zones are defined on the **Holidays & Time Zones** tab.

ASSA ABLOY DSR Panel Guide

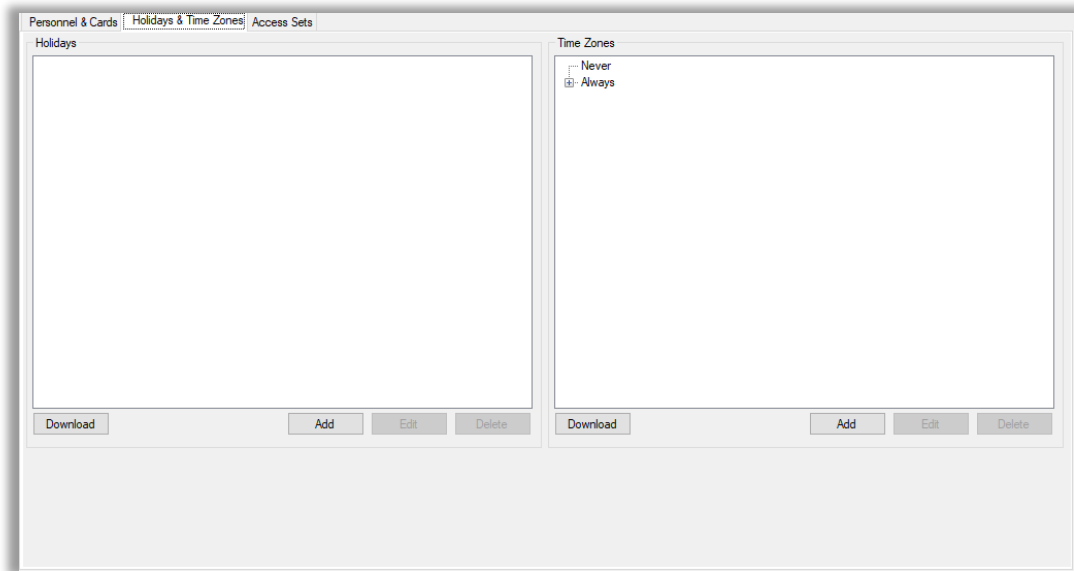
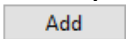


Figure 70 – Access Management View: Holidays & Time Zones tab

Notice there are two (2) time zones that are added when the first ASSA ABLOY DSR panel is added. They are **Never** and **Always**. Expanding **Always** reveals that the time zone applies to all days and all times. Add additional time zones by clicking the  button. A new time zone is added to the Tree and the properties dialog for the time zone displays.

ASSA ABLOY DSR Panel Guide

The screenshot shows the 'New Time Zone' dialog box. The 'Name' field is 'New Time Zone' and the 'ID' is '1357'. The 'User Level' is set to 'All Access'. There is a 'Notes' text area and a 'Holiday Groups' area (orange box). The 'Day Periods' section has a large grey box and 'Add'/'Delete' buttons. The 'Day Period Data' section has checkboxes for days of the week (Mon-Sun) and a 'Time Periods' table with 'Start Time' and 'End Time' columns, also with 'Add'/'Delete' buttons. 'OK' and 'Cancel' buttons are at the bottom right.

Figure 71 - Time Zone properties dialog

Give the time zone a name that describes what it is. Add a **Day Period**. Select the days to which the new day period applies and add the time periods for this day period. Click in the **Holiday Groups** drop list to bring up a **Select Tree Item** dialog. From this dialog, select the holiday group that is included in this time zone.

ASSA ABLOY DSR Panel Guide

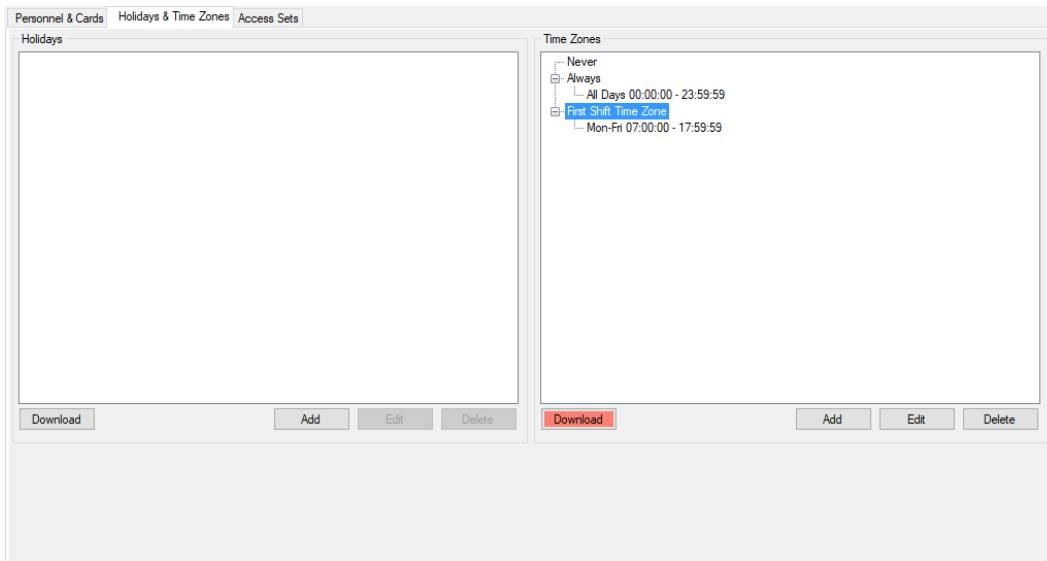


Figure 72 - New Time Zone

The time zones will need to be downloaded.

5.2 Access Sets Tab

All Authorization nodes are defined on the **Access Sets** tab. Intelli-Site can manage many different access control panels. Each panel has its own name for an access entry. ASSA ABLOY DSR uses Authorization to refer to an access entry definition.

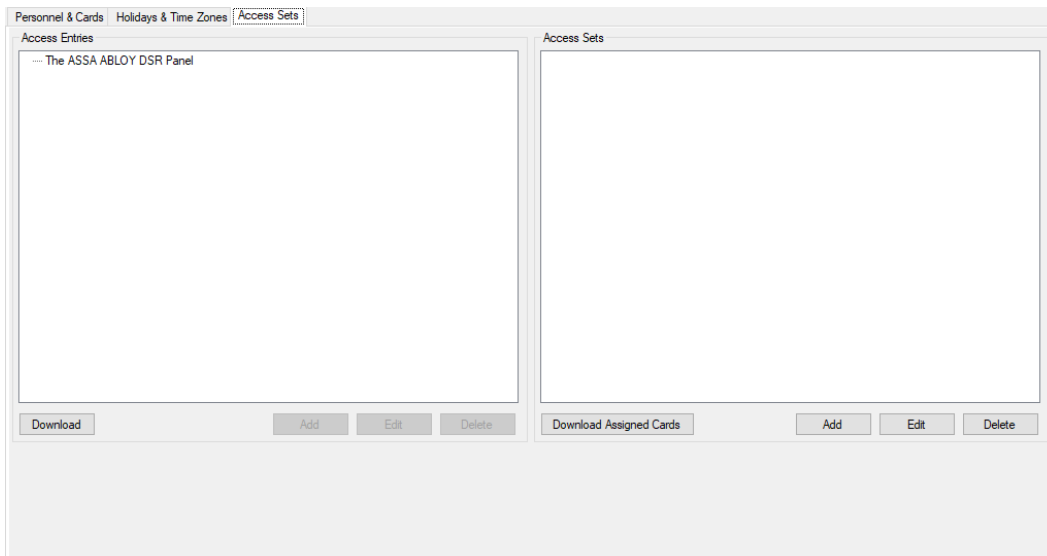



Figure 73 - Access Management View: Access Sets tab

ASSA ABLOY DSR Panel Guide

In the **Access Entries** tree view on the left is a tree view of all the access control panels in the project. In the example, there is only one, the ASSA ABLOY DSR. Add an access entry by highlighting the panel node then clicking . The properties dialog for the new **Authorization** node opens.


At this point it is important to consider the different ways the facility managed by the ASSA ABLOY DSR panel is used. Multiple access entries can and should be combined to create Access Sets that are assigned to cardholders. Access entries (access floors) are never directly assigned to cardholders, only access sets. Create access entries and access sets that are meaningful and useful for the facility.

5.3 Personnel & Cards Tab

The ***Personnel & Cards*** tab is where cardholders and cards are added and managed. There is nothing specific to ASSA ABLOY DSR when it comes to assigning personnel and cards. For questions concerning this tab, see the User's Guide.

.

6 Project Programming

The various points of the ASSA ABLOY DSR driver and panel can be used in programming the Project. All programming takes place in  **Design View**.

6.1 Using the ASSA ABLOY DSR Nodes in Evaluation Grids

The ASSA ABLOY DSR driver, ASSA ABLOY DSR, and Access Point nodes can be used in evaluation grids. Each has slightly different selection possibilities.

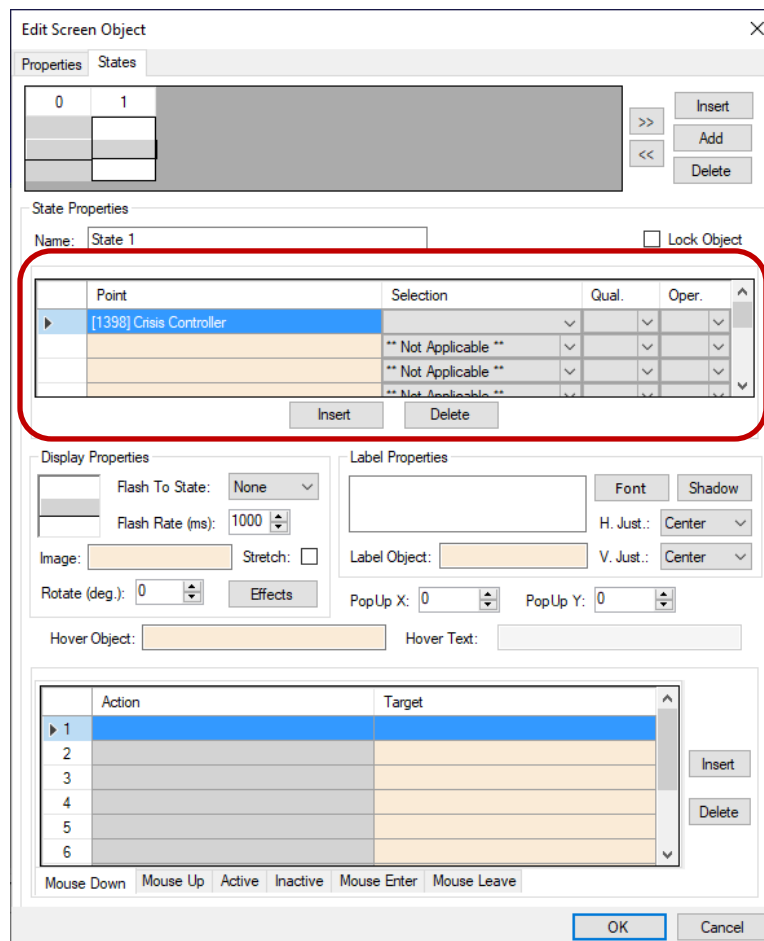


Figure 74 - Screen Object: Evaluation Grid

6.1.1 The ASSA ABLOY DSR Driver Node

When an ASSA ABLOY DSR driver node is used in an evaluation grid, the **Selection** values are:

ASSA ABLOY DSR Panel Guide

- *Enabled*
- *Disabled*

6.1.2 The ASSA ABLOY DSR Nodes

When an ASSA ABLOY DSR node is used in an evaluation grid, the ***Selection*** values are:

- *Virtual*
- *Driver Offline*

6.1.3 The Access Point Nodes

When an Access Point node is used in an evaluation grid, the ***Selection*** values are:

- *Virtual*
- *Driver Offline*

ASSA ABLOY DSR Panel Guide

Table of Figures

Figure 1 - Select the drivers you want to install	8
Figure 2 - Hardware Management View	10
Figure 3 - Choose Driver Type Dialog	10
Figure 4 - ASSA ABLOY DSR Driver Properties Dialog	11
Figure 5 – Driver properties: <i>Card Config</i> tab showing Card Configurations	12
Figure 6 - ASSA ABLOY DSR Driver icon	12
Figure 7 - Add Panel Dialog.....	13
Figure 8 - A new panel	13
Figure 9 - ASSA ABLOY DSR Quick Config dialog.....	14
Figure 10 - The Configure OTIS Panel tab	15
Figure 11 - The <i>Configuration Items</i> tab	16
Figure 12 - The <i>Filters</i> tab	17
Figure 13 - The <i>Alarms</i> tab	18
Figure 14 - Disabled driver	19
Figure 15 - Driver not connected to the Driver Service	19
Figure 16 - Driver not connected to the ASSA ABLOY DSR	19
Figure 17 - Driver connected to the ASSA ABLOY DSR.....	19
Figure 18 - Download Confirmation dialog	20
Figure 19 - ASSA ABLOY DSR panel Quick Config Auto Detect called out.....	21
Figure 20 - Auto-Detect Confirmation dialog	22
Figure 21 - Access Points retrieved from the panel.....	22

ASSA ABLOY DSR Panel Guide

Figure 22 - Access Point Panel icons added to the driver.....	23
Figure 23 - Access Point panel Quick Config dialog.....	23
Figure 24 - Add Access Point button on the Quick Config dialog	25
Figure 25 - Add Access Point dialog	26
Figure 26 - Quick Config after adding an Access Point manually.....	27
Figure 27 - ASSA ABLOY DSR panel and the Access Point panel.....	27
Figure 28 - Access Point Panel Quick Config dialog for an existing Access Point.....	28
Figure 29 - Access Point Panel Quick Config dialog for an unknown Access Point.....	29
Figure 30 - The ASSA ABLOY DSR Panel Control Screen	30
Figure 31 - The Access Point Panel Control Screen	31
Figure 32 - ASSA ABLOY DSR Driver node in the Project Node Tree	32
Figure 33 - ASSA ABLOY DSR Driver properties dialog.....	33
Figure 34 - The driver <i>Properties</i> tab.....	34
Figure 35 - The <i>Card Config</i> tab.....	35
Figure 36 - Control - Card Format properties dialog	37
Figure 37 - The ASSA ABLOY DSR panel node in the Project Node Tree	38
Figure 38 - ASSA ABLOY DSR panel Properties dialog.....	39
Figure 39 - The <i>Configuration Items</i> tab	42
Figure 40 - The <i>Filters</i> tab	43
Figure 41 - The <i>Alarms</i> tab	44
Figure 42 - ASSA ABLOY DSR Quick Config dialog.....	45
Figure 43 - The Properties tab.....	46

ASSA ABLOY DSR Panel Guide

Figure 44 - The <i>Configuration Items</i> tab	49
Figure 45 - The <i>Filters</i> tab	50
Figure 46 - The <i>Alarms</i> tab	51
Figure 47 - The ASSA ABLOY DSR panel child nodes.....	51
Figure 48 - ASSA ABLOY DSR Time Zone nodes.....	52
Figure 49 - Time Zone properties dialog	53
Figure 50 - Authorization properties dialog	55
Figure 51 - The ASSA ABLOY DSR panel Alarms child nodes.....	56
Figure 52 - Alarm node properties dialog	56
Figure 53 - The Access Point panel nodes in the Project Node Tree.....	57
Figure 54 - Access Point properties dialog	58
Figure 55 - The Properties tab.....	59
Figure 56 - The <i>Configuration Items</i> tab	62
Figure 57 - The <i>Filters</i> tab	63
Figure 58 - The <i>Alarms</i> tab	64
Figure 59 - Access Point Quick Config dialog.....	65
Figure 60 - The Properties tab.....	66
Figure 61 - The <i>Configuration Items</i> tab	70
Figure 62 - The <i>Filters</i> tab	71
Figure 63 - The <i>Alarms</i> tab	72
Figure 64 - Access Point child nodes	72
Figure 65 - Inputs child nodes.....	73
Figure 66 - Outputs child nodes	73

ASSA ABLOY DSR Panel Guide

Figure 67 – Readers child node	74
Figure 68 - The Alarms child nodes	75
Figure 69 - Access Management View.....	76
Figure 70 – Access Management View: Holidays & Time Zones tab	77
Figure 71 - Time Zone properties dialog	78
Figure 72 - New Time Zone.....	79
Figure 73 - Access Management View: Access Sets tab	79
Figure 74 - Screen Object: Evaluation Grid	81
Figure 75 - ASSA ABLOY to Card Format number translation table	88
Figure 76 - Control - Card Format properties dialog	90

ASSA ABLOY DSR Panel Guide

Glossary

Access Point	the hardware associated with a door such as DPS, lock, reader, keypad, etc. treated as a unit
DPS	Door Position Switch
DSR	Door Service Router

Appendix I – Using ASSA ABLOY Card Configurations

If the access control credentials (cards) are only being used with ASSA ABLOY and not expected to be used at any other access control type panel, and the facility is not using one of the supplied card configurations, the integrator can designate a card configuration using ASSA ABLOY's card configuration numbering system. These card configurations do not need to be added to the ASSA ABLOY DSR driver. The driver knows about them internally. The driver's numbering system is similar to ASSA ABLOY's numbering system. See the table below.

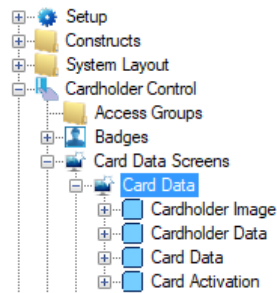
Card Format	ASSA ABLOY Designation	Intelli-Site Designation
SID 0 CID 32	1	101
SID 0 CID 64	2	102
SID 32 CID 32	3	103
MIFARE Classic 1 K	4	104
MIFARE Classic 4 K	5	105
MIFARE Ultralight	6	106
MIFARE DESFire	7	107
Dallas	8	108
Solid Dallas	9	109
Magnetic	10	110
Password	11	111
PIN Code	12	112
Prox H 10301	13	113
Prox H 10302	14	114
Prox H 10304	15	115
HID 33 BIT Proprietary	16	116
HID 34 BIT Proprietary	17	117
Corporate 1000	18	118
Prox RAW	19	119
Magnetic Track 2	20	120
Corporate 1000 48	21	121
PIV 40 BCD MSB	22	122
PIV 64 BCD MSB	23	123
PIV 75	24	124
PIV 128 BCD MSB	25	125
PIV 200 BCD MSB	26	126
U 1000 56	27	127

Figure 75 - ASSA ABLOY to Card Format number translation table

ASSA ABLOY DSR Panel Guide

Add the Card Format to the Card Data Screen

Locate the desired ASSA ABLOY card format(s) and the corresponding Intelli-Site definition. This card format must be added to the **Card Format** control on the **Card Data** screen. The **Card Data** screen is found by expanding **Cardholder Control** then **Card Data Screens**.



Double-clicking on **Card Data** opens the screen in the editor. Right-click on the drop-down box next to the label “Card Format”. The properties for the **Control – Card Format** screen object opens.

ASSA ABLOY DSR Panel Guide

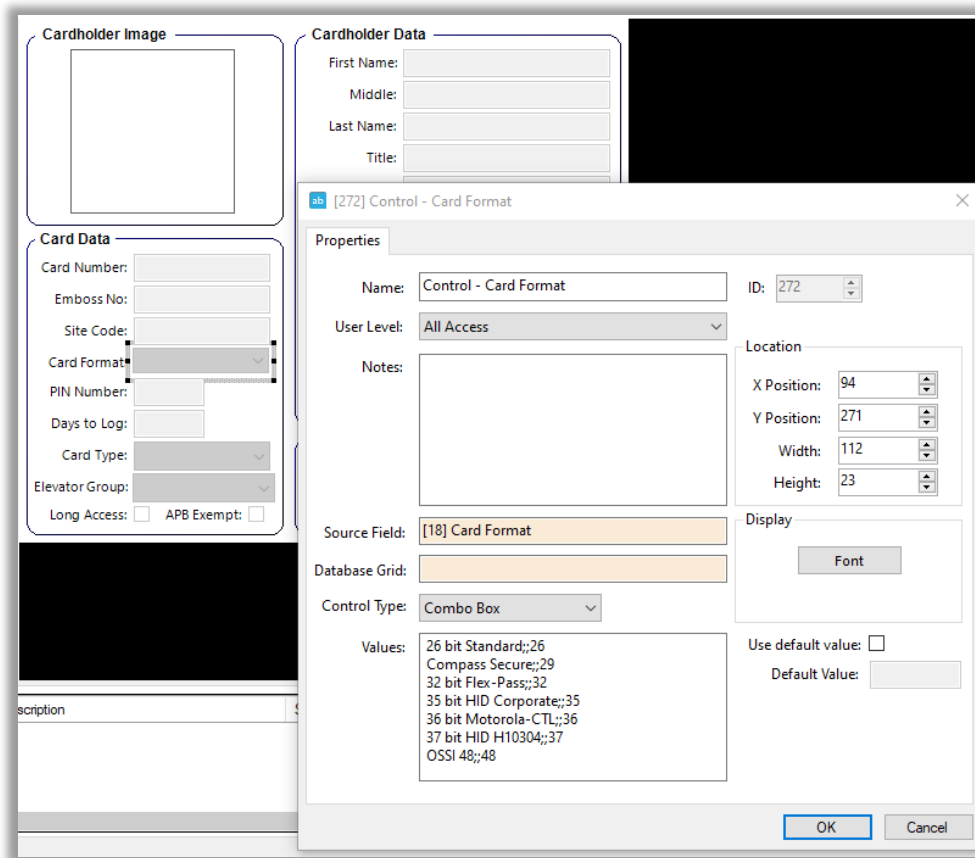


Figure 76 - Control - Card Format properties dialog

In the **Values** list box, add the new card configuration using the format `<Name>;<Format ID>`. The `Format ID` is the Intelli-Site driver designation for it. Click **OK** to save the changes.

Using Card Formats Larger than 64-bit

ASSA ABLOY supports card formats that are greater than 64-bits. Only card configurations that are 64-bit can be added to the ASSA ABLOY DSR driver **Card Config** properties. Does this mean Intelli-Site cannot support card formats greater than 64-bits? No! It does mean that care must be taken when using these card formats.

Intelli-Site can store card numbers that are up to 64 bits long and site codes that are up to 64 bits long. This means each card assigned to a user must have a card number less than 18,446,744,073,709,551,616. The site code must also be less than 18,446,744,073,709,551,616.

Revision History

2021-07-13 Creation Date