



**SIMPLIFY  
ACCESS &  
CONTROL**

## **Crisis Controller RF Panel Guide**

# **Intelli-Site**

## **Security Management Software**

### **Crisis Controller RF Panel Guide**

For  
Windows 8.1 Pro and Enterprise,  
Windows 10 Pro and Enterprise,  
Server 2012 R2, and  
Server 2016

## **Crisis Controller RF Panel Guide**

### **Copyright**

Copyright © 2020 OSSI, LLC All rights reserved.

Information in this document is subject to change without notice. The software described in this document is furnished under a license agreement or nondisclosure agreement. The software may be used or copied only in accordance with the terms of those agreements. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or any means electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's use without the written permission of OSSI.

OSSI, LLC  
10125 S 52nd St.  
Franklin, WI 53132-8677  
[ossi-usa.com](http://ossi-usa.com)

Telephone: (262) 522-1870  
Toll Free: (888) 488-2623  
Fax: (262) 522-1872

### **Trademarks**

Intelli-Site® is registered in U.S. Patent & Trademark Office.

All other registered and unregistered trademarks are the sole property of their respective owners.

# Technical Support Assistance

### ***OSSI, LLC Headquarters***

OSSI, LLC  
10125 S 52nd St.  
Franklin, WI 53132-8677  
(262) 522-1870


(888) 488-2623

### ***Technical Support***

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



Email: [support@ossi-usa.com](mailto:support@ossi-usa.com)  
Phone: (888) 488-2623

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.

# Crisis Controller RF Panel Guide

## Table of Contents

<b>Copyright .....</b>	<b>3</b>
<b>Trademarks .....</b>	<b>3</b>
<b>Technical Support Assistance .....</b>	<b>4</b>
<b>Table of Contents .....</b>	<b>5</b>
<b>1 Introduction .....</b>	<b>7</b>
<b>2 Installation Guide.....</b>	<b>8</b>
<b>3  Hardware Management View .....</b>	<b>9</b>
3.1 Setup.....	9
3.1.1 Add an Actall Driver.....	9
3.1.2 Add a Communication Method .....	12
3.1.3 Add a Crisis Controller RF Panel .....	13
3.1.4 Configure the Crisis Controller RF Panel.....	14
3.1.5 Enable the Actall Driver.....	17
3.2 Panel Control Screen.....	18
<b>4  RFID Management View .....</b>	<b>20</b>
4.1 Add the Zone Data Field to the Default Information Manager Layout .....	20
4.2 Importing Tags .....	24
4.3 Current Status .....	27
<b>5 Design View .....</b>	<b>28</b>
5.1 Actall Driver Node .....	28
5.2 Communication Method Node.....	30

## **Crisis Controller RF Panel Guide**

5.2.1 TCP/IP Communication Method Node .....	31
5.2.2 Rs232 Communication Method .....	32
5.3 Crisis Controller RF Panel Node .....	33
5.3.1 Crisis Controller RF Panel Node Properties dialog .....	33
5.3.2 Crisis Controller RF Panel Quick Config .....	35
5.3.3 Crisis Controller RF Panel Child Nodes .....	36
5.4 Project Programming .....	42
5.4.1 Using the Crisis Controller RF Nodes in Evaluation Grids 43	
5.4.2 Automatically Created Screen Objects .....	44
5.4.3 Panel Control Screen.....	44
<b>Table of Figures .....</b>	<b>46</b>
<b>Revision History .....</b>	<b>49</b>

## **Crisis Controller RF Panel Guide**

### **1 Introduction**

Intelli-Site supports the Actall Crisis Controller RF panel.

This integration was written using the Crisis Controller RF Serial I/O Specification for Crisis Controller RF 1.0.24 (CCRF1.0 – Rev. 2.1).

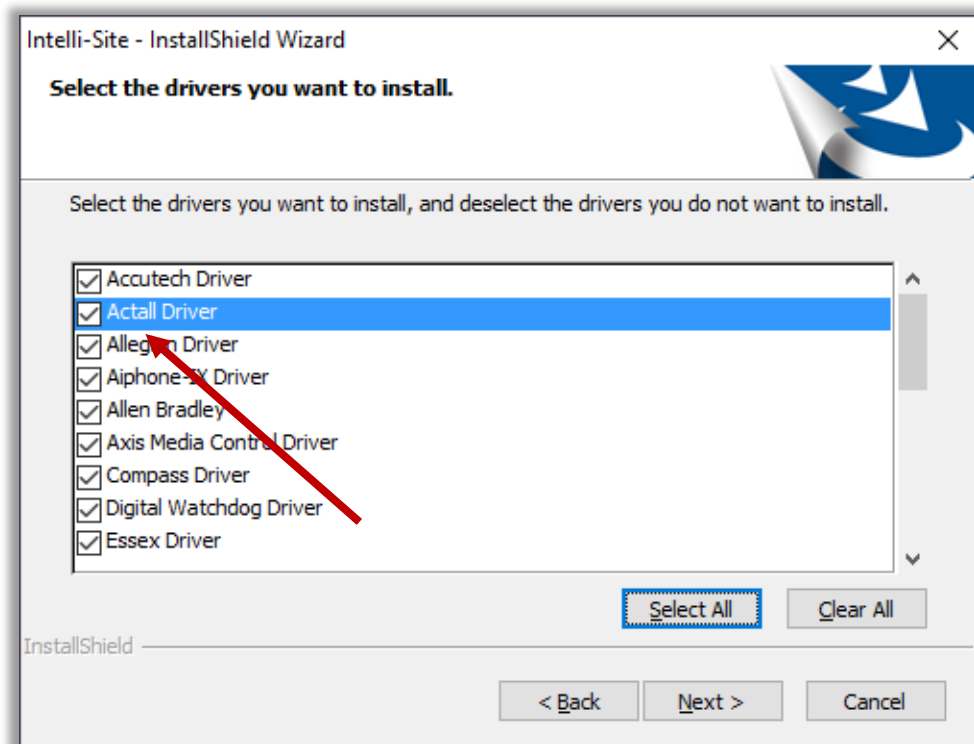
This guide explains using Crisis Controller RF with Intelli-Site Security Management Software.

### 2 Installation Guide

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

If Intelli-Site has been installed without the Actall 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 **Actall Driver** option is checked then continue with the installation or modification.



### 3 Hardware Management View

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

---

***Note: The Crisis Controller RF panel interface is serial. If the Intelli-Site system is redundant, a TCP/IP – COM converter must be used.***

---

#### 3.1 Setup

Setting up the Actall Driver and Crisis Controller RF panel is straightforward.

The process is:

1. Add an Actall driver
2. Add a communication method
3. Add a Crisis Controller RF panel
4. Configure the panel

##### 3.1.1 Add an Actall Driver

Adding an Actall Driver is simple, but important. Without it, no communication with the Crisis Controller RF panels can occur.

## Crisis Controller RF Panel Guide

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

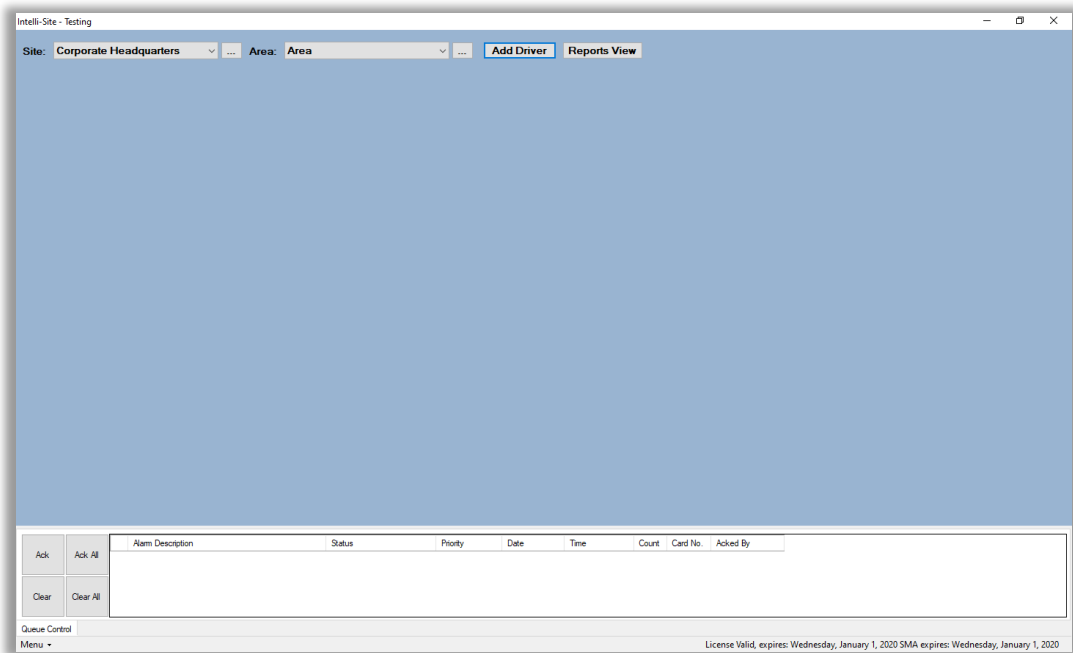


Figure 2 -  Hardware Management View

To add the Actall driver, click the  button. The **Choose Driver Type** dialog displays.

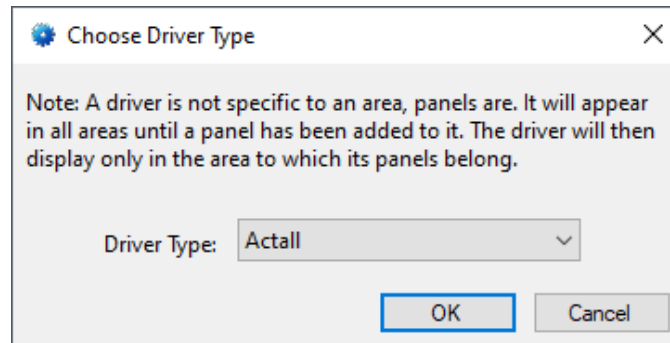
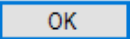


Figure 3 - Choose Driver Type Dialog

Select *Actall* from the **Driver Type** drop-down menu in the **Choose Driver Type** dialog. Click . A new Actall driver icon is added to the screen and its properties dialog opens.

## Crisis Controller RF Panel Guide

[1161] New Actall Driver

Properties

Name: New Actall Driver ID: 1161

User Level: All Access

Notes:

Enabled: ☐ Default Retry Start Delay: ☒ Retry Start Delay: 15

Setup

Polling Rate: 250

Send Queue

Retries: 3

Timeout: 1000

Interval: 250

Panel List:

Computer List: [4] LATWin10

OK Cancel

Figure 4 - Actall Driver Properties Dialog

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

---

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

---

Click **OK**. The dialog closes, saving the changes. Notice the warning icon on the driver. This indicates that a communication method is needed.

## Crisis Controller RF Panel Guide



Figure 5 - Driver icon: Comm Method missing

### 3.1.2 Add a Communication Method

Each Actall driver must have a communication method defined and configured. The communication method defines the port (COM or TCP) that the driver must use to communicate with the Crisis Controller RF panel.

---

**Note:** *As noted above, the Crisis Controller RF panel communicates serially. This example assumes a TCP/IP – COM converter is being used.*

---

The communication method is added using the right-click context menu on the driver. Right-click on the driver icon and hover over *Comm Method*. The side menu opens. Select *Add Comm Method*. The **Choose Communication Method Type** dialog appears.

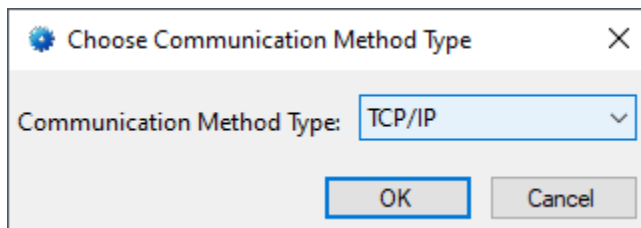


Figure 6 - The Choose Communication Method Type dialog

There are two (2) communication methods, *TCP/IP* and *RS232*. Selected the desired method then click **OK**. A new communication method node is added to the driver and its properties dialog opens.

## Crisis Controller RF Panel Guide

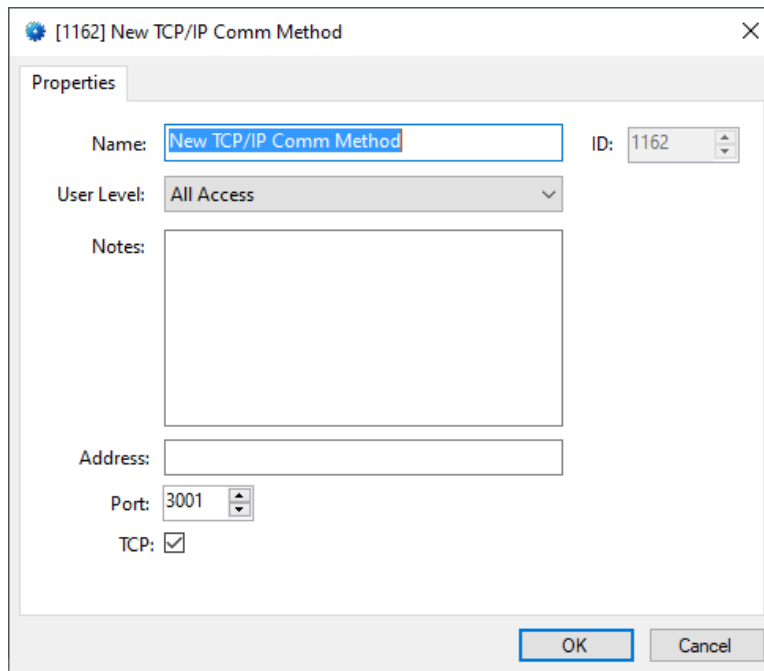


Figure 7 - TCP/IP Communication Method properties dialog

Fill in the necessary information. In the case of the example, the IP Address or DNS name of the Crisis Controller RF panel and the port number. Then click **OK**.

---

**Note:** For information on the *Rs232 Communication Method*, see [Rs232 Communication Method](#).

---



Figure 8 - Driver icon: Comm Method present

The driver icon no longer has the warning icon. Next add a Crisis Controller RF panel to the driver.

### 3.1.3 Add a Crisis Controller RF Panel

Once an Actall driver and comm method have been added, it's time to add a Crisis Controller RF panel to it.

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

## Crisis Controller RF Panel Guide

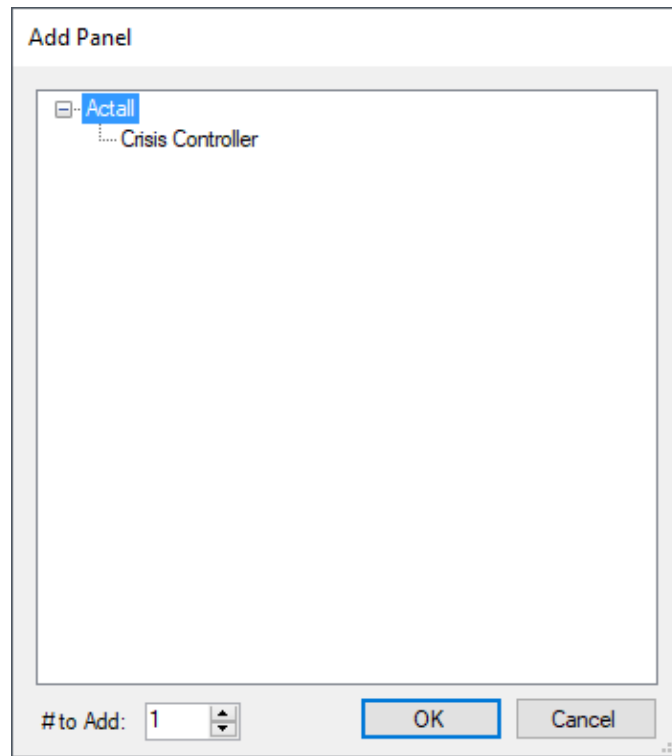


Figure 9 - Add Panel Dialog

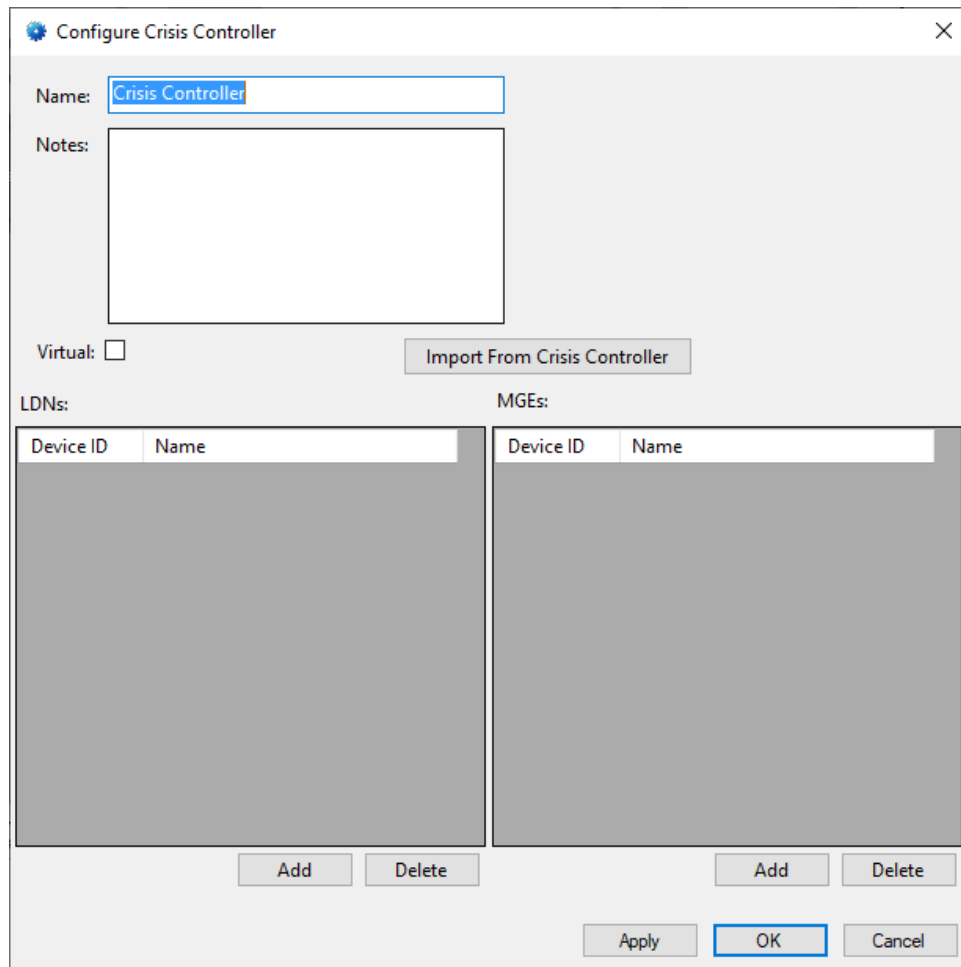
Select *Crisis Controller*. Leave **# to Add** at 1. Click **OK**. A **New Crisis Controller** icon is added to the target Driver.

Next comes configuring the panel.

### 3.1.4 Configure the Crisis Controller RF Panel

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

## Crisis Controller RF Panel Guide



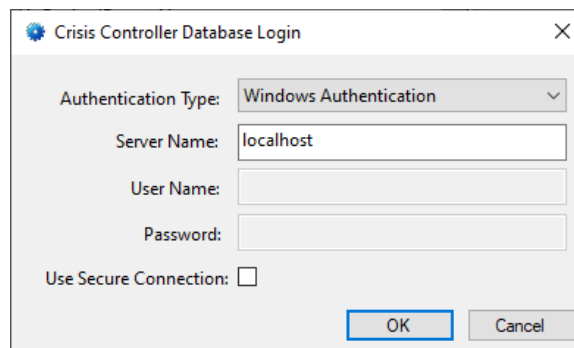
The "Configure Crisis Controller" dialog box is used to set up a new crisis controller. It features a "Name" field with the text "Crisis Controller", a "Notes" text area, a "Virtual" checkbox, and an "Import From Crisis Controller" button. Below these are two tables for "LDNs" and "MGEs", each with columns for "Device ID" and "Name". At the bottom are "Add" and "Delete" buttons for each table, and "Apply", "OK", and "Cancel" buttons.

Device ID	Name
-----------	------

Device ID	Name
-----------	------

Figure 10 - Crisis Controller RF Quick Config dialog

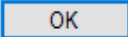
Change the **Name** of the panel to describe its use or location. Next click **Import From Crisis Controller** to import the LDNs and MGEs data from the panel's database. A **Crisis Controller Database Login** dialog displays.

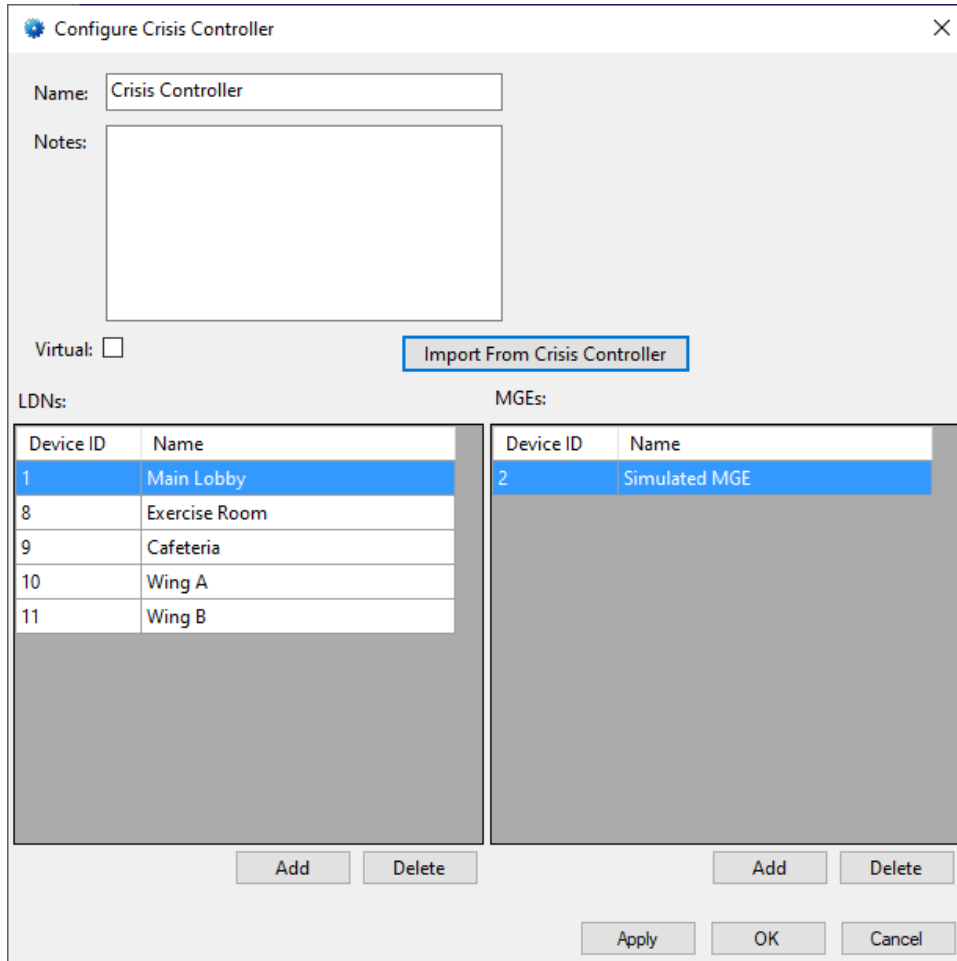


The "Crisis Controller Database Login" dialog box is used to authenticate with the crisis controller database. It includes a dropdown for "Authentication Type" (set to "Windows Authentication"), text fields for "Server Name" (set to "localhost"), "User Name", and "Password", and a "Use Secure Connection" checkbox. "OK" and "Cancel" buttons are at the bottom.

Figure 11 - Crisis Controller Database Login dialog

## Crisis Controller RF Panel Guide

Set the **Server Name** to the name of the SQL server on the Crisis Controller computer. Select the desired **Authentication Type**, and supply the correct **User Name** and **Password** if needed. Then click . An **Importing Crisis Controller Data** displays while Intelli-Site imports the data.



The dialog box is titled "Configure Crisis Controller" and contains the following elements:

- Name:** A text field containing "Crisis Controller".
- Notes:** A large empty text area.
- Virtual:** A checkbox that is currently unchecked.
- Import From Crisis Controller:** A button.
- LDNs:** A table with two columns: "Device ID" and "Name".
- MGEs:** A table with two columns: "Device ID" and "Name".
- Buttons:** "Add" and "Delete" buttons for both LDNs and MGEs, and "Apply", "OK", and "Cancel" buttons at the bottom.

Device ID	Name
1	Main Lobby
8	Exercise Room
9	Cafeteria
10	Wing A
11	Wing B

Device ID	Name
2	Simulated MGE

**Figure 12 - Crisis Controller Quick Config dialog: configured**

Yes, the MGE is simulated. This is a test bench, not a real installation.

Click  to save the configuration.



## Crisis Controller RF Panel Guide

### 3.1.5 Enable the Actall Driver

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



Figure 13 – Disabled Actall Driver

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

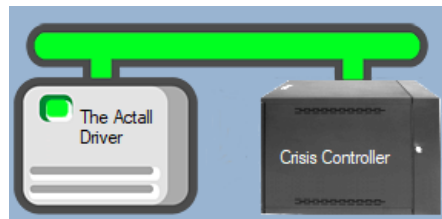


Figure 14 - Enabled Actall Driver

---

**Note:** *The Crisis Controller must be actively monitoring for Intelli-Site to connect to it.*

---

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



Figure 15 - Enabled Actall Driver that is not communicating with the Driver Service

## Crisis Controller RF Panel Guide



**Figure 16 - Enabled Actall Driver that is communicating with the Driver Service but NOT the panels**

Congratulations! The Crisis Controller RF is integrated and ready to use for RFID Management and in screen design for **Live View**. Screens are designed in **Design View**.

### 3.2 Panel Control Screen

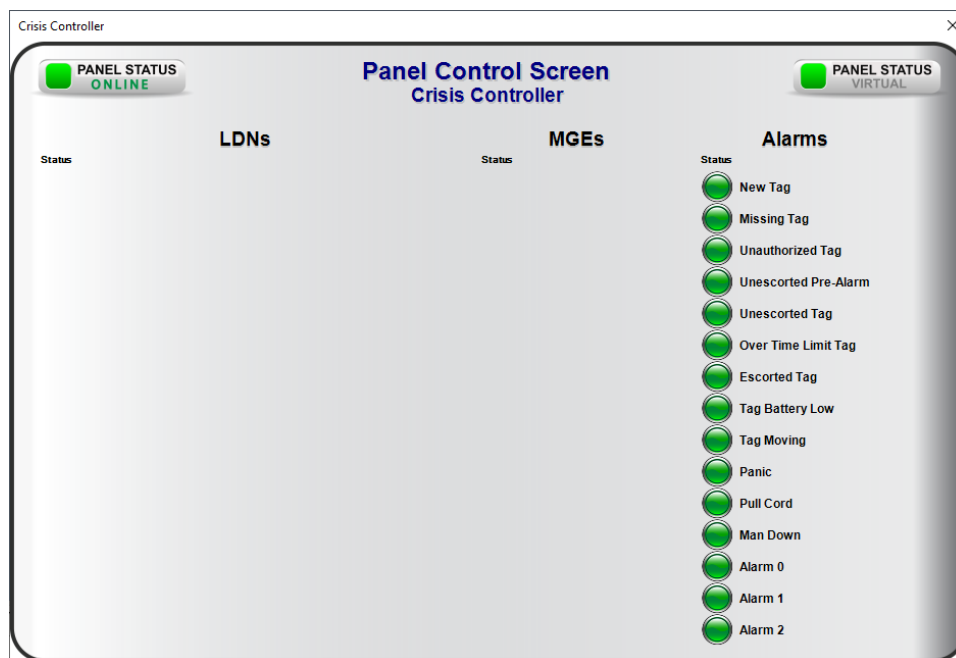
Every Crisis Controller RF panel has a **Panel Control Screen**. From this screen, the user can monitor the current state of the panel.

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

---

**Note:** The default Panel Control Screen does not contain any of the detected LDNs or MGEs. See [Panel Control Screen](#) to learn how to automatically add them.

---



**Figure 17 – The default Panel Control Screen**

## Crisis Controller RF Panel Guide


The color of the light indicates the state of the point. Green is normal, and red is alarm.

---

***Note: The Alarm points are pulsed meaning they do not remain high until the alarm condition no longer exists. These points are used for all tags. Therefore, it is important to ensure the tag alarms are set to Add to Queue on High. Each time one of these alarms comes in from the panel, the specific tag information and the zone or receiver is recorded in the event in the Alarm Queue. Of course, the history database records it as well if the point is marked Write to Log. These points are set to Add to Queue on High and Write to Log by default.***

---

## 4 RFID Management View

 **RFID Management View** is used to manage all aspects of RFID management. Here the user can define Tag Groups and Zones. The user can add, edit, and delete tags, declare tags as assets, define owners, assign tags to Tag Groups, and define Zones to which a tag is expected.

---

**Note:**  *RFID Management View must be enabled on a user-by-user basis in the user's properties dialog under User View Options.*







---

Only those aspects of RFID management that are specific to the Crisis Controller RF panel are examined here. Including:

- Add the Zone data field to the Default Information Manager Layout
- Importing Tags
- Current Status

### 4.1 Add the Zone Data Field to the Default Information Manager Layout


When an alarm happens, it is written to the **Alarm Queue**. The **Card No.** column contains the tag name, tag number and tag type.

Ack	Ack All	Alarm Description	Status	Priority	Date	Time	Count	Card No.	Acked By
		 Crisis Controller\New Tag	Point is On	None	2/24/2020	2:22:55 PM	1	Tag 3 (3 ...	
		 Crisis Controller\New Tag	Point is On	None	2/24/2020	2:22:55 PM	1	** Not in ...	
Clear	Clear All								

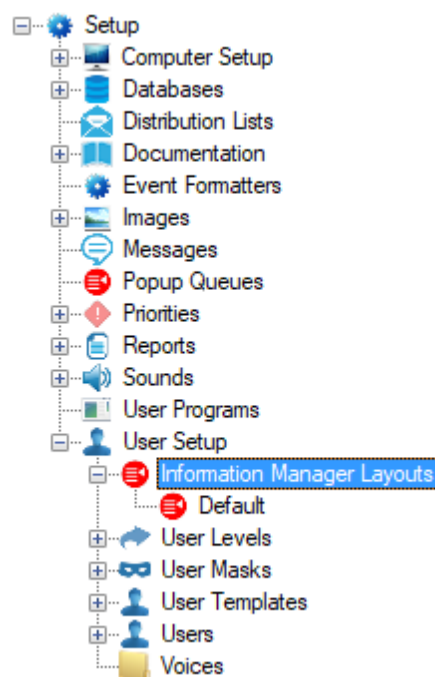
Queue Control

**Figure 18 - Default Alarm Queue**

It is possible to also display the location of the tag by adding the **Zone** data field in the **Information Manager Layout**. If the receiver is part of a zone, the name of the zone is displayed. If it is not part of a zone, then the name of the receiver is written to the Zone column.

The **Information Manager Layout** nodes are modified in  **Design View**. They are found by expanding **Setup -> User Setup -> Information Manager Layouts**.

## Crisis Controller RF Panel Guide



**Figure 19 - Information Manager Layouts node**

Right-click on the **Default** node and select *Properties...*. The column definitions are found on the ***Alarm Status Queue*** tab.

## Crisis Controller RF Panel Guide

[173] Default

Properties Alarm Status Queue Shunt/Force Queue

Alarm Queue Columns:

Data Field	Label	Justification	Width
Description	Alarm Description	Left	270
Status	Status	Left	150
Priority	Priority	Left	90
Date	Date	Left	85
Time	Time	Left	95
Count	Count	Left	45
Card	Card No.	Left	60
AckedBy	Acked By	Left	100

Add Delete

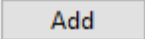
Alarm Queue Buttons:

Type	Label	Row	Column
Ack	Ack	1	1
AckAll	Ack All	1	2
Clear	Clear	2	1
ClearAll	Clear All	2	2

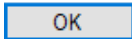
Add Delete

OK Cancel

**Figure 20 - Information Manager Layout Properties dialog: Alarm Status Queue tab**

Under the **Alarm Queue Columns** table, click the  button. A new row is added to the table. In **Data Field** cell, select *Zone*. In the **Label** cell, give the label for this column. Select the **Justification** for the column and define how wide the column needs to be.

**Note:** The order of the rows in this table is the order of the columns in the Alarm Queue. A row cannot be inserted directly, but one can easily modify the rows to define the order of the columns that best fit the facility's needs.

When the column definitions are satisfactory, click the  button to save them.

## Crisis Controller RF Panel Guide

[173] Default

Properties Alarm Status Queue Shunt/Force Queue

Alarm Queue Columns:

Data Field	Label	Justification	Width
Description	Alarm Description	Left	200
Status	Status	Left	100
Priority	Priority	Left	80
Date	Date	Left	70
Time	Time	Left	70
Count	Count	Left	40
Card	Tag Name (# Type: #)	Left	125
Zone	Zone / Receiver	Left	100
AckedBy	Acked By	Left	70

Add Delete

Alarm Queue Buttons:

Type	Label	Row	Column
Ack	Ack	1	1
AckAll	Ack All	1	2
Clear	Clear	2	1
ClearAll	Clear All	2	2

Add Delete

OK Cancel

**Figure 21 - Information Manager Layout Properties dialog: Alarm Status Queue tab w/ Zone column**

Every alarm queue that uses this **Information Manager Layout** is updated to reflect the changes.


Ack	Ack All	Alarm Description	Status	Priority	Date	Time	Count	Tag Name (# Type: #)	Zone / Receiver	Acked By
		Crisis Controller\Unauthorized Tag	Point is On	None	3/3/2020	4:23:03 PM	1	Tag 4 (4 Type: 2)	PT Zone	
		Crisis Controller\Missing Tag	Point is On	None	3/3/2020	4:27:03 PM	1	Tag 4 (4 Type: 2)	PT Zone	
Clear	Clear All									

Queue Control

**Figure 22 - Updated Default Alarm Queue**

## Crisis Controller RF Panel Guide

### 4.2 Importing Tags

In  **RFID Management View**, the tags can be imported from the Crisis Controller RF panel database.

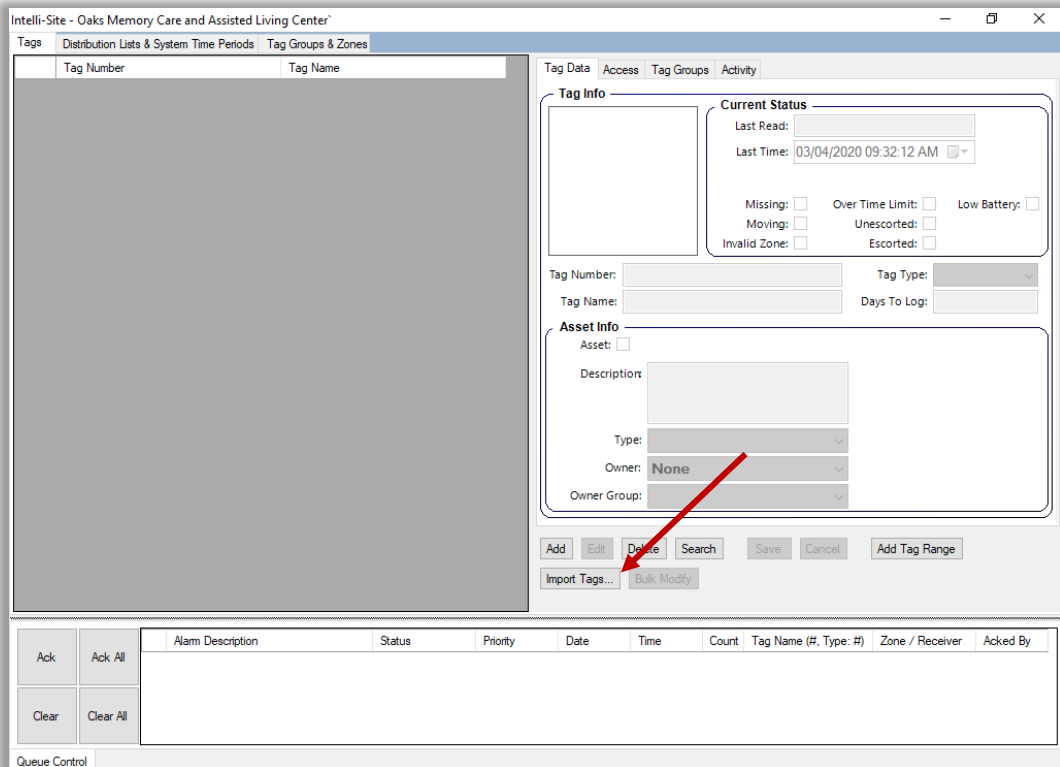
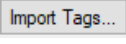


Figure 23 -  RFID Management View: Tags tab

To import tags, click the  button. The **Crisis Controller Database Login** dialog displays.



## Crisis Controller RF Panel Guide

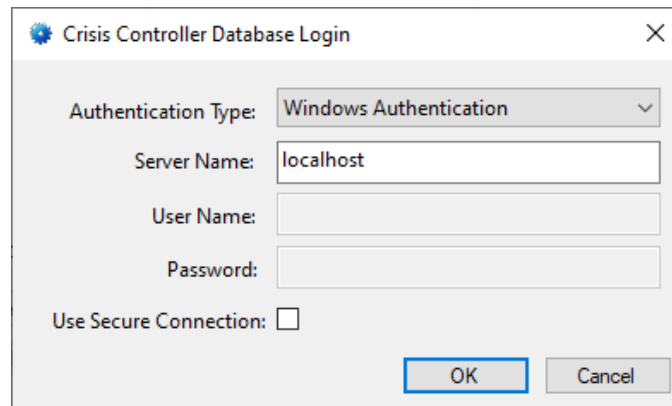
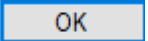


Figure 24 - Crisis Controller Database Login dialog

---

**Note:** *If a Crisis Controller panel has not been added to the Project, a standard Windows Open dialog displays.*

---

Select the correct **Authentication Type**, supply the **Server Name**, and if necessary, the **User Name** and **Password**. Click .

# Crisis Controller RF Panel Guide

Intelli-Site - Oaks Memory Care and Assisted Living Center

Tags Distribution Lists & System Time Periods Tag Groups & Zones

Tag Number	Tag Name
3	HD 3
4	HD 4
5	HD 5
6	HD 6
7	HD 7
1	Tag 1
2	Tag 2
3	Tag 3
4	Tag 4
5	Tag 5

Tag Data Access Tag Groups Activity

**Tag Info**

**Current Status**

Last Read:

Last Time: 01/01/2000 12:00:00 AM

Missing: ☒ Over Time Limit: ☐ Low Battery: ☐

Moving: ☐ Unescorted: ☐

Invalid Zone: ☐ Escorted: ☐

Tag Number: 5 Tag Type: Actall Tag

Tag Name: Tag 5 Days To Log: 0

**Asset Info**

Asset: ☐

Description: Serial #: 00005

Type: Other

Owner: None

Owner Group: None

Add Edit Delete Search Save Cancel Add Tag Range

Import Tags... Bulk Modify

Ack Ack All

Clear Clear All

Alarm Description	Status	Priority	Date	Time	Count	Tag Name (# Type: #)	Zone / Receiver	Acked By
-------------------	--------	----------	------	------	-------	----------------------	-----------------	----------

Queue Control

Menu

License Valid, expires: Saturday, February 27, 2021 SMA expires: Thursday, February 24, 2022

MASC - Oaks Memory Care and Assisted Living Center

Tags Distribution Lists & System Time Periods Tag Groups & Zones

Tag Number	Tag Name
3	HD 3
4	HD 4
5	HD 5
6	HD 6
7	HD 7
1	Tag 1
2	Tag 2
3	Tag 3
4	Tag 4
5	Tag 5

Tag Data Access Tag Groups Activity

**Tag Info**

**Current Status**

Last Read:

Last Time: 01/01/2000 12:00:00 AM

Missing: ☒ Over Time Limit: ☐ Low Battery: ☐

Moving: ☐ Unescorted: ☐

Invalid Zone: ☐ Escorted: ☐

Tag Number: 5 Tag Type: Actall Tag

Tag Name: Tag 5 Days To Log: 0

**Asset Info**

Asset: ☐

Description: Serial #: 00005

Type: Other

Owner: None

Owner Group: None

Add Edit Delete Search Save Cancel Add Tag Range

Import Tags... Bulk Modify

Ack Ack All

Clear Clear All

Alarm Description	Status	Priority	Date	Time	Count	Tag Name (# Type: #)	Zone / Receiver	Acked By
-------------------	--------	----------	------	------	-------	----------------------	-----------------	----------

Queue Control

Menu

License Valid, expires: Friday, January 7, 2022 SMA expires: Friday, January 8, 2021

Figure 25 – RFID Management View with imported tags

## Crisis Controller RF Panel Guide

Now the user can edit each tag to assign it to **Tag Groups**, give it **Access** to Zones, designate which are assets, specify the **Type**, **Owner**, and/or **Owner Group**.

### 4.3 Current Status


The **Current Status** fields display the last reported information and events about the selected tag.

The screenshot shows a software interface for managing RFID tags. The 'Tag Data' tab is active, and the 'Current Status' section is highlighted with a red border. This section contains fields for 'Last Read', 'Last Time' (01/01/2000 12:00:00 AM), and several status checkboxes: 'Missing' (checked), 'Over Time Limit', 'Low Battery', 'Moving', 'Unescorted', 'Invalid Zone', and 'Escorted'. Below this, there are fields for 'Tag Number' (5), 'Tag Name' (Tag 5), 'Tag Type' (Actall Tag), and 'Days To Log' (0). The 'Asset Info' section includes an 'Asset' checkbox, a 'Description' field (Serial #: 00005), and dropdown menus for 'Type' (Other), 'Owner' (None), and 'Owner Group' (None). At the bottom, there are buttons for 'Add', 'Edit', 'Delete', 'Search', 'Save', 'Cancel', 'Add Tag Range', 'Import Tags...', and 'Bulk Modify'.

Figure 26 - Tag Data: Current Status

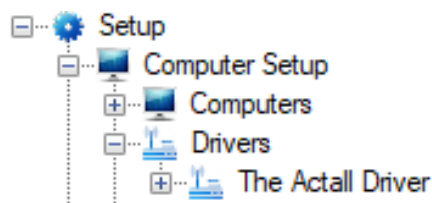
The **Current Status** fields are RFID Manager events, not panel alarms. When the RFID Manager detects conditions that meet the definitions of these events, these fields are updated, the RFID event is written to the Alarm Queue and to the history database. Not every field applies to every RFID panel type. **The Crisis Controller RF panel does not report when a tag is moving.** This means the Moving checkbox will never be checked for the Crisis Controller RF panel.

### 5 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 Actall driver node properties, the Crisis Controller RF node properties, and screen object programming especially the automatically created screen objects.

#### 5.1 Actall Driver Node

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



**Figure 27 - Actall Driver node in the Project Node Tree**

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

## Crisis Controller RF Panel Guide

The screenshot shows a window titled "[1161] The Actall Driver". Inside, there's a "Properties" tab. The "Name" field contains "The Actall Driver". The "ID" is "1161". The "User Level" is set to "All Access". There's a large "Notes" text area. Below that, "Enabled" is checked, "Default Retry Start Delay" is checked, and "Retry Start Delay" is "15". There are two sections: "Setup" with "Polling Rate" at "250", and "Send Queue" with "Retries" at "3", "Timeout" at "1000", and "Interval" at "250". At the bottom, "Panel List" shows "[1163] Crisis Controller" and "Computer List" shows "[4] LATWin10". "OK" and "Cancel" buttons are at the bottom right.

Figure 28 - Actall Driver properties dialog

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

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

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

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

**Enabled** – checkbox; when checked the driver is enabled

## Crisis Controller RF Panel Guide

**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

**Polling Rate** – numeric (default: 3000); number of milliseconds to wait for a response before assuming the packet was not received

**Retries** – numeric (default: 3); number of times the driver will attempt to send a packet

**Timeout** – numeric (default: 1000); number of milliseconds for a packet timeout

**Interval** – numeric (default: 250); number of milliseconds between retries

**Panel List**- drop box; the Crisis Controller RF nodes attached to this driver

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

### 5.2 Communication Method Node

The communication method node is a child of the driver.



Figure 29 - Communication Method node in the Project Node Tree

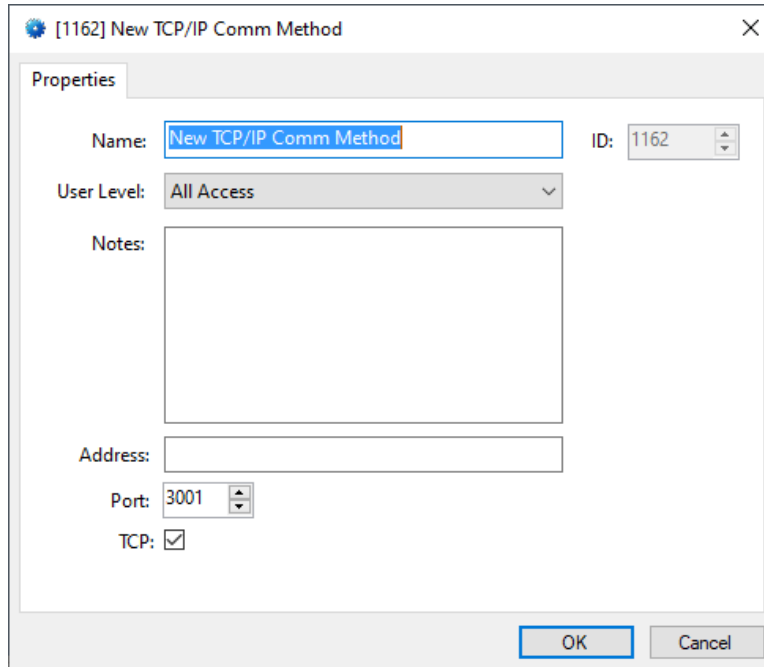
There are two different possible communication types for the Actall driver.

- TCP/IP
- Rs232

## Crisis Controller RF Panel Guide

### 5.2.1 TCP/IP Communication Method Node

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



**Figure 30 – TCP/IP Communication Method node properties dialog**

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

**ID** – numeric (disabled); the unique identifier of this node; generated by the software

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

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

**Address** – edit box; the IP address of the panel

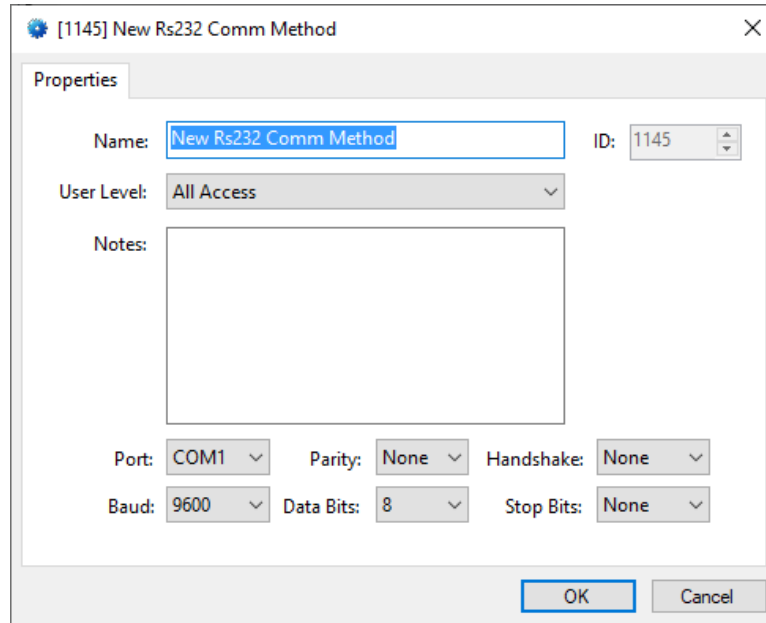
**Port** – numeric (default: 3001); the TCP or UDP port number

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

## Crisis Controller RF Panel Guide

### 5.2.2 Rs232 Communication Method

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



**Figure 31 – Rs232 Communication Method node properties dialog**

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

**ID** – numeric (disabled); the unique identifier of this node; generated by the software

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

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


**Port** – drop-down menu (default: COM1); the COM port

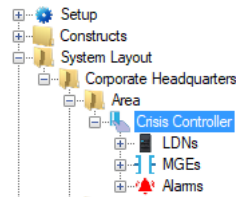
**Parity, Handshake, Baud, Data Bits, and Stop Bits** – configuration parameters associated with Rs232 communication; for an explanation of Rs232 see [How RS232 Works](#).



## Crisis Controller RF Panel Guide

### 5.3 Crisis Controller RF Panel Node

The Crisis Controller RF panel node is found by expanding **System Layout** then the Site and Area to which the Crisis Controller RF 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 32 - The Crisis Controller RF panel node in the Project Node Tree**

The Crisis Controller RF panel node is the root node for the panel. The following sections will explain:

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

#### 5.3.1 Crisis Controller RF Panel Node Properties dialog

Right-click on the Crisis Controller RF 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.

## Crisis Controller RF Panel Guide

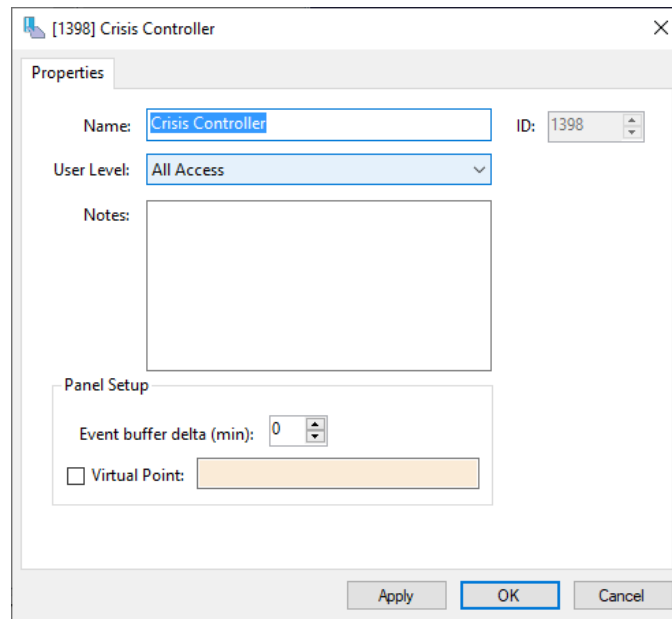


Figure 33 - Crisis Controller RF panel Properties dialog

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

**ID** – numeric (disabled); the unique identifier of this node; generated by the software

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

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

**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

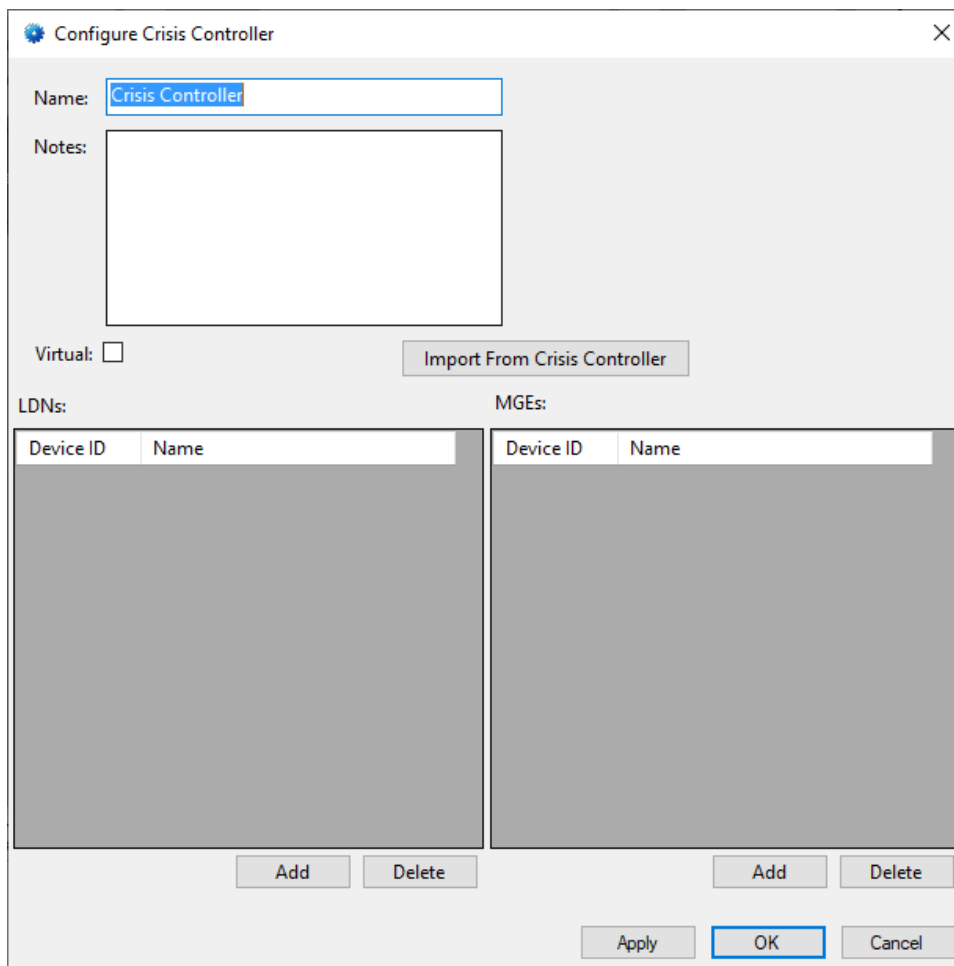
**Virtual** – check box; when checked the panel is virtualized, allowing the driver to be brought online without having the physical panel available

## Crisis Controller RF Panel Guide

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

### 5.3.2 Crisis Controller RF Panel Quick Config

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



The dialog box is titled "Configure Crisis Controller" and contains the following elements:

- Name:** A text box containing "Crisis Controller".
- Notes:** A large multiline text area.
- Virtual:** A checkbox that is currently unchecked.
- Import From Crisis Controller:** A button.
- LDNs:** A table with columns "Device ID" and "Name".
- MGEs:** A table with columns "Device ID" and "Name".
- Buttons:** "Add" and "Delete" buttons for both LDNs and MGEs, and "Apply", "OK", and "Cancel" buttons at the bottom.

Device ID	Name
-----------	------

Device ID	Name
-----------	------

Figure 34 - Crisis Controller RF panel Quick Config dialog

**Name** – edit box; the name of the panel

**Notes** – multiline edit box; any notes the user may have about this panel

## Crisis Controller RF Panel Guide

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

**Import From Crisis Controller** – button; initiates the import of data from the panel's database; when clicked, the **Crisis Controller Database Login** dialog displays

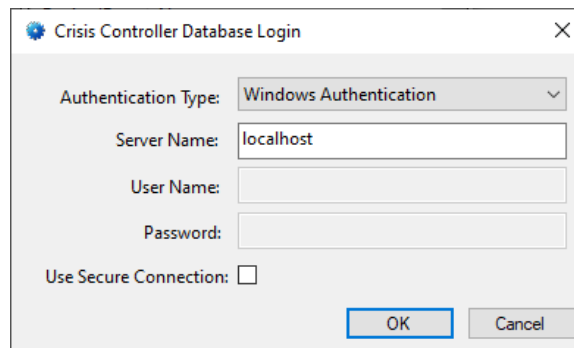


Figure 35 - Crisis Controller Database Login dialog

**Authentication Type** – drop-down menu; values: *Windows Authentication*, *SQL Server Authentication*; the authentication method to use when logging in to the database server; Windows Authentication uses the credentials of the currently logged in Windows user

**Server Name** – edit box; the location and name of the SQL Server

**User Name** – edit box; the username

**Password** – edit box; the password

**LDNs** – table; list of the LDNs associated with this panel

**MGEs** – table; list of the MGEs associated with this panel

### 5.3.3 Crisis Controller RF Panel Child Nodes

The Crisis Controller RF panel has three child nodes.

## Crisis Controller RF Panel Guide

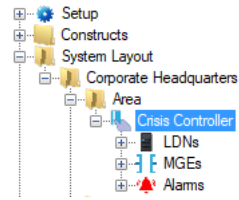


Figure 36 – The Crisis Controller RF panel child nodes

### 5.3.3.1 LDN Nodes

Expanding the **LDNs** node reveals the LDN nodes.

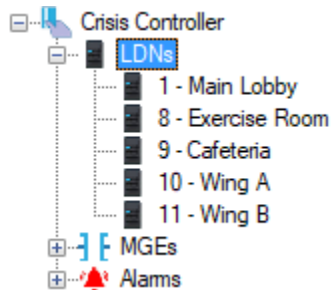


Figure 37 - Crisis Controller RF panel LDN child nodes

Right-click on one of the LDN nodes and select *Properties*.

## Crisis Controller RF Panel Guide

The screenshot shows a software window titled "[1483] Crisis Controller\1 - Main Lobby" with a close button (X) in the top right corner. The window has five tabs: "Properties" (selected), "Event Actions", "Operation", "Alarm Queue", and "Actions".

Under the "Properties" tab, the following fields are visible:

- Name:** 1 - Main Lobby
- ID:** 1483 (with up/down arrows)
- User Level:** All Access (dropdown menu)
- Notes:** A large empty text area.
- Parking:** A sub-section containing:
  - Parking:** ☐ (checkbox)
  - Parked Point:** (empty text field)
  - Parked Time Counter:** (empty text field)
  - Parked Alarm Point:** (empty text field)
- Device ID:** 1 (with up/down arrows)
- Unescorted Tag Pre-Alarm Delay (seconds):** 5 (with up/down arrows)

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

**Figure 38 - LDN node properties dialog**

Each LDN is an RFID Reader. As such it is an I/O Point with additional fields and events. Here we will discuss the **Properties** tab and the **Event Actions** tab. See the User's Guide for an explanation of the other tabs.

### 5.3.3.1.1 Properties Tab

This is the **Properties** tab.

## Crisis Controller RF Panel Guide

The screenshot shows a software window titled "[1483] Crisis Controller\1 - Main Lobby" with a close button (X) in the top right corner. The window has five tabs: "Properties" (selected), "Event Actions", "Operation", "Alarm Queue", and "Actions". The "Properties" tab contains the following fields:

- Name:** A text box containing "1 - Main Lobby".
- ID:** A numeric spinner box set to "1483".
- User Level:** A dropdown menu showing "All Access".
- Notes:** A large empty text area.
- Parking:** A group box containing:
  - Parking:** An unchecked checkbox.
  - Parked Point:** An empty text box.
  - Parked Time Counter:** An empty text box.
  - Parked Alarm Point:** An empty text box.
- Device ID:** A numeric spinner box set to "1".
- Unescorted Tag Pre-Alarm Delay (seconds):** A numeric spinner box set to "5".

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

Figure 39 - LDN properties dialog: Properties tab

In addition to the standard I/O Point fields of **Name**, **ID**, **User Level**, and **Notes** are the following fields:

**Device ID** – numeric; the device identification number

**Parking** – group box; those fields associated with parking control

**Parking** - check box; when checked this LDN is a "Parking Receiver" and the **Parking** fields are enabled

**Parked Point** – drop box; accepts I/O Points; this point is set when a tag is detected by this LDN (i.e., someone is in this parking spot)

**Parked Time Counter** – drop box; accepts counters; this counter is incremented every minute while the **Parked Point** is high; this counter can be used to set other actions in motion based on the amount of time the tag is located at the receiver

## Crisis Controller RF Panel Guide

**Parked Alarm Point** – drop box; accepts I/O Points; point is set when the **Parked Time Counter** enters the high state (i.e., when the counter reaches its threshold value) and cleared when the counter is set low again

**Unescorted Tag Pre-Alarm Delay (seconds)** – numeric; an Unescorted Tag Pre-Alarm event is generated after the designated number of seconds

### 5.3.3.1.2 Event Actions Tab

Actions can be defined for each event reported by this LDN.

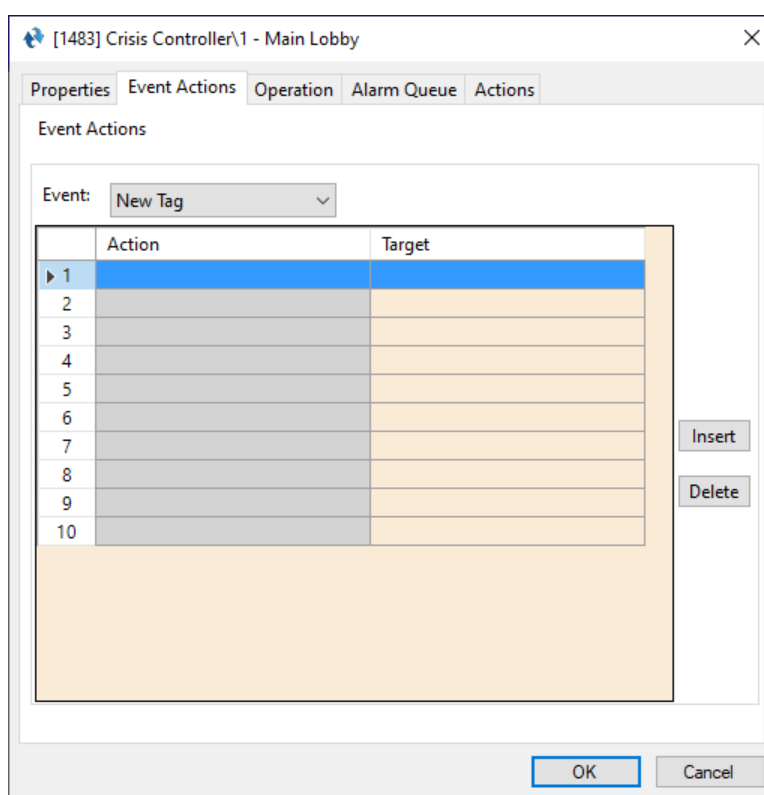


Figure 40 - LDN properties dialog: Event Actions tab

**Event** – drop-down menu (values: *New Tag, Missing, Unauthorized Tag, Unescorted Tag, Over Time Limit, Tag Battery Low, Escorted Tag, Panic, Pull Cord, Man Down, Alarm 0, Alarm 1, Alarm 2*); as an event is selected, the actions grid changes to display the actions grid for the selected event; when an event is reported for this LDN, the actions in the corresponding action grid are executed in the order specified

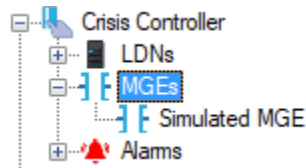


## Crisis Controller RF Panel Guide

**Note:** These events may set the Alarm I/O Points with the same.

### 5.3.3.2 MGE Nodes

Expanding the **MGEs** node reveals the MGE nodes.



**Figure 41 - Crisis Controller RF panel MGE child nodes**

Right-click on one of the MGE nodes and select *Properties*.

The screenshot shows the 'Properties' dialog box for a 'Simulated MGE' node. The dialog has four tabs: 'Properties', 'Operation', 'Alarm Queue', and 'Actions'. The 'Properties' tab is active. It contains the following fields:

- Name:** Simulated MGE
- ID:** 1488
- User Level:** All Access
- Notes:** (Empty text area)
- Device ID:** 2

At the bottom right, there are 'OK' and 'Cancel' buttons.

**Figure 42 - MGE node properties dialog**

An MGE node is an I/O Point with an additional field.

**Device ID** – numeric; the device identification number

## Crisis Controller RF Panel Guide

### 5.3.3.3 Alarms

Expanding the **Alarms** node reveals the various alarms and events for the panel.

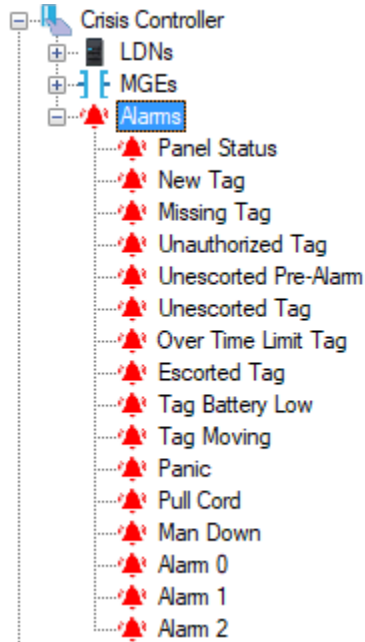


Figure 43 - The Crisis Controller RF panel Alarms child nodes

Each of these alarms is a standard I/O Point. Each LDN and/or MGE may set any of the tag alarms listed. When a tag alarm is written to the Alarm Queue supplying the specific tag and tag type as well as the zone or receiver.

Ack	Ack All	Alarm Description	Status	Priority	Date	Time	Count	Tag Name (# Type: #)	Zone / Receiver	Acked By
		Crisis Controller\Unauthorized Tag	Point is On	None	3/3/2020	4:23:03 PM	1	Tag 4 (4 Type: 2)	PT Zone	
Clear	Clear All	Crisis Controller\Missing Tag	Point is On	None	3/3/2020	4:27:03 PM	1	Tag 4 (4 Type: 2)	PT Zone	

Queue Control

Figure 44 - Alarm Queue with Example Tag Alarms

## 5.4 Project Programming

The various points of the Crisis Controller RF driver and panel can be used in programming the Project. All programming takes place in **Design View**.

## Crisis Controller RF Panel Guide

### 5.4.1 Using the Crisis Controller RF Nodes in Evaluation Grids

The Actall driver and Crisis Controller RF nodes can be used in evaluation grids. Each has slightly different selection possibilities.

Figure 45 is a screenshot of the 'Edit Screen Object' dialog box, specifically the 'States' tab. The dialog is titled 'Edit Screen Object' and has a close button (X) in the top right corner. It is divided into several sections. At the top, there are 'Properties' and 'States' tabs. Below the 'States' tab, there is a table with two columns, '0' and '1', and a large gray area to the right. To the right of this table are buttons for '>>', '<<', 'Insert', 'Add', and 'Delete'. Below this is the 'State Properties' section, which includes a 'Name' field set to 'State 1' and a 'Lock Object' checkbox. A red rectangle highlights the 'State Properties' section, which contains a table with four columns: 'Point', 'Selection', 'Qual.', and 'Oper.'. The first row is '[1398] Crisis Controller'. Below it are three rows with 'Not Applicable' in the 'Selection' column. To the right of this table are 'Insert' and 'Delete' buttons. Below the 'State Properties' section is the 'Display Properties' section, which includes 'Flash To State: None', 'Flash Rate (ms): 1000', 'Image', 'Stretch', 'Rotate (deg.): 0', and 'Effects'. To the right of this is the 'Label Properties' section, which includes 'Label Object', 'Font', 'Shadow', 'H. Just.: Center', 'V. Just.: Center', 'PopUp X: 0', and 'PopUp Y: 0'. Below these is the 'Hover Object' and 'Hover Text' fields. At the bottom, there is an 'Action' table with columns 'Action' and 'Target', and a list of mouse events: Mouse Down, Mouse Up, Active, Inactive, Mouse Enter, Mouse Leave. The 'OK' and 'Cancel' buttons are at the bottom right.

Figure 45 - Screen Object: Evaluation Grid

#### 5.4.1.1 The Actall Driver Node

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

- *Enabled*
- *Disabled*

#### 5.4.1.2 The Crisis Controller RF Nodes

When a Crisis Controller RF node is used in an evaluation grid, the **Selection** values are:

## Crisis Controller RF Panel Guide

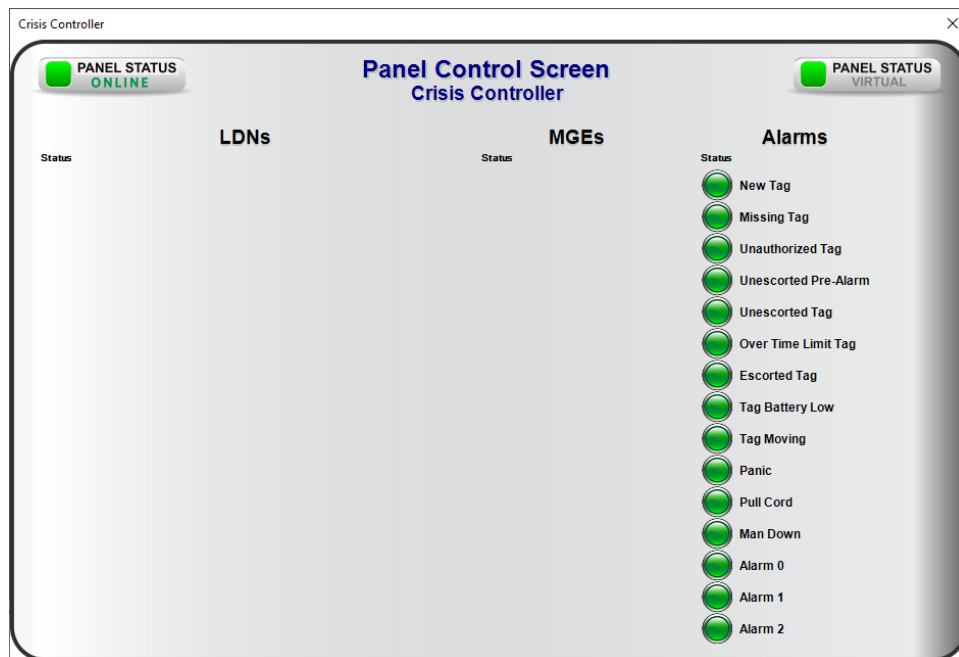
- *Virtual*
- *Driver Offline*

### 5.4.2 Automatically Created Screen Objects

There are no automatically created screen objects specific to Crisis Controller RF nodes that must be discussed here.

### 5.4.3 Panel Control Screen

The Panel Control Screen is a popup screen that is added to the Project Node Tree when the panel is added to the project. Because the Crisis Controller RF panel has no LDNs or MGEs when the panel is first added, the Panel Control Screen is nigh upon useless.



**Figure 46 – The default Panel Control Screen**

Once the panel is configured, the default Panel Control Screen needs to be deleted and then recreated.

If there is only one panel in the Project, finding the Panel Control Screen is easy. All Panel Control Screens are popup screens. They are added to the Tree under the **Screen Control -> Popup Screens** node as children of the Area to which they were added. Our example Area was creatively named "Area". Our panel was just as creatively named "Crisis Controller".

## Crisis Controller RF Panel Guide

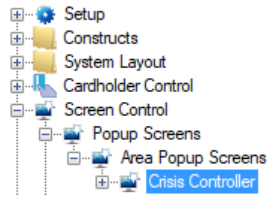


Figure 47 - Example Panel Control Screen in the Tree

Right-click on the Panel Control Screen and select *Delete*. Click "Yes" on the **Confirm Delete** dialog. Now locate the panel under **System Layout -><Site>-><Area>**. Drag and drop the panel node onto the **Area Popup Screens** node. A **Continue with auto-create?** Dialog displays. Click "Yes". A new Panel Control Screen is added to the Project.

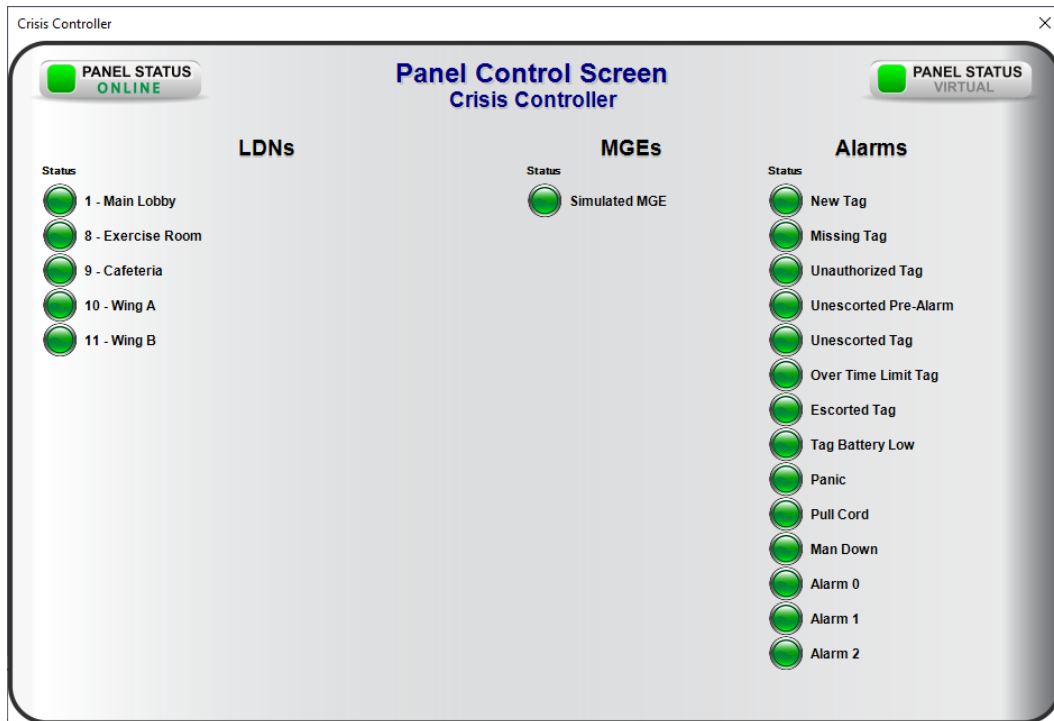





Figure 48 - Example Panel Control Screen

## Crisis Controller RF 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 - Actall Driver Properties Dialog .....	11
Figure 5 - Driver icon: Comm Method missing .....	12
Figure 6 - The Choose Communication Method Type dialog .....	12
Figure 7 - TCP/IP Communication Method properties dialog .....	13
Figure 8 - Driver icon: Comm Method present .....	13
Figure 9 - Add Panel Dialog.....	14
Figure 10 - Crisis Controller RF Quick Config dialog .....	15
Figure 11 - Crisis Controller Database Login dialog .....	15
Figure 12 - Crisis Controller Quick Config dialog: configured .....	16
Figure 13 - Disabled Actall Driver .....	17
Figure 14 - Enabled Actall Driver .....	17
Figure 15 - Enabled Actall Driver that is not communicating with the Driver Service .....	17
Figure 16 - Enabled Actall Driver that is communicating with the Driver Service but NOT the panels .....	18
Figure 17 - The default Panel Control Screen .....	18
Figure 18 - Default Alarm Queue .....	20
Figure 19 - Information Manager Layouts node .....	21
Figure 20 - Information Manager Layout Properties dialog: Alarm Status Queue tab .....	22

## Crisis Controller RF Panel Guide

Figure 21 - Information Manager Layout Properties dialog: Alarm Status Queue tab w/ Zone column .....	23
Figure 22 - Updated Default Alarm Queue.....	23
Figure 23 -  RFID Management View: Tags tab .....	24
Figure 24 - Crisis Controller Database Login dialog .....	25
Figure 25 -  RFID Management View with imported tags.....	26
Figure 26 - Tag Data: Current Status .....	27
Figure 27 - Actall Driver node in the Project Node Tree .....	28
Figure 28 - Actall Driver properties dialog .....	29
Figure 29 - Communication Method node in the Project Node Tree.....	30
Figure 30 - TCP/IP Communication Method node properties dialog .....	31
Figure 31 - Rs232 Communication Method node properties dialog .....	32
Figure 32 - The Crisis Controller RF panel node in the Project Node Tree .....	33
Figure 33 - Crisis Controller RF panel Properties dialog .....	34
Figure 34 - Crisis Controller RF panel Quick Config dialog .....	35
Figure 35 - Crisis Controller Database Login dialog .....	36
Figure 36 - The Crisis Controller RF panel child nodes .....	37
Figure 37 - Crisis Controller RF panel LDN child nodes.....	37
Figure 38 - LDN node properties dialog .....	38
Figure 39 - LDN properties dialog: Properties tab .....	39
Figure 40 - LDN properties dialog: Event Actions tab.....	40
Figure 41 - Crisis Controller RF panel MGE child nodes .....	41
Figure 42 - MGE node properties dialog .....	41

## **Crisis Controller RF Panel Guide**

Figure 43 - The Crisis Controller RF panel Alarms child nodes.....	42
Figure 44 - Alarm Queue with Example Tag Alarms.....	42
Figure 45 - Screen Object: Evaluation Grid .....	43
Figure 46 - The default Panel Control Screen .....	44
Figure 47 - Example Panel Control Screen in the Tree .....	45
Figure 48 - Example Panel Control Screen .....	45



## **Crisis Controller RF Panel Guide**

### **Revision History**

2020-01-27 Creation Date

2020-02-24 Added section 4.1 Add the Zone Data Field to the Default  
Information Manager Layout  
Updated several screen captures of RFID Management  
View