

Partnership Certifications

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Sentry AI

Overview

Manitou can integrate with Sentry AI Alert Verification via a URL sent within a standard XML signal. Opening a Sentry AI-generated alarm will also open a URL that directs the Operator to the Sentry AI Alert Verification viewer which will show a still image captured at the time of the alarm, live feed, and other features provided by Sentry AI. Manitou can also support reverse commands that send back Operator feedback to Sentry AI before closing the alarm. Traditional Open and Closes alarms from standard alarm panels can run Action Patterns containing a reverse command back to Sentry AI (thereby also arming/disarming the video system) and close the alarm, all done via the Auto Client.

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Technical Information / Usage

The Sentry AI Alert Verification viewer (Web Based) will be used to view a still image from the alarms. Alarms will be sent from the customer panel sending in XML format that includes the URL that will direct to the Alert Verification path in the Sentry AI viewer in a browser page. There is no additional software that needs to be installed.

Reverse commands will need to be configured on the Monitoring Station record.

A reverse channel route will need to be created for the reverse commands.

A new Receiver Type will need to be configured that uses XML type.

A new Receiver Line Prefix will need to be created.

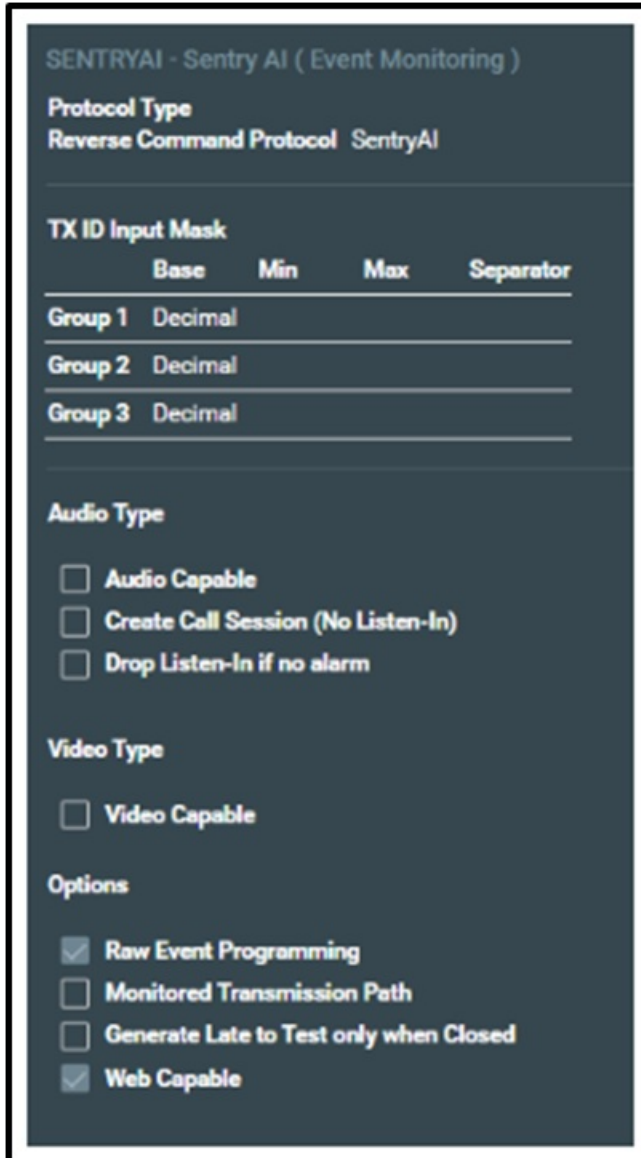
A new TX Type will need to be created.

Auto Client will be preferred for managing Open/Close alarms so that a reverse command acknowledging the alarms can be sent back to SentryAI and the alarms closed without operator intervention.

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System Configuration

In Manitou navigate to Maintenance>Transmitter Types. Click Edit and highlight Event Monitoring and click Add. Create a new Transmitter Type SENTRYAI. Leave all as the default except check the box for 'Web Capable' and 'Raw Event Programming' and Save.



SENTRYAI - Sentry AI (Event Monitoring)

Protocol Type
Reverse Command Protocol SentryAI

TX ID Input Mask

	Base	Min	Max	Separator
Group 1	Decimal			
Group 2	Decimal			
Group 3	Decimal			

Audio Type

- Audio Capable
- Create Call Session (No Listen-In)
- Drop Listen-In if no alarm

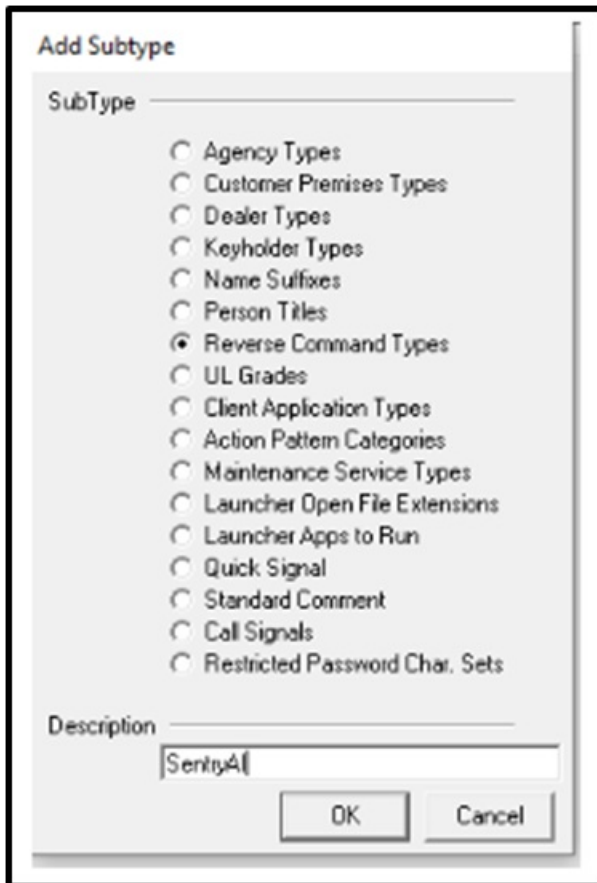
Video Type

- Video Capable

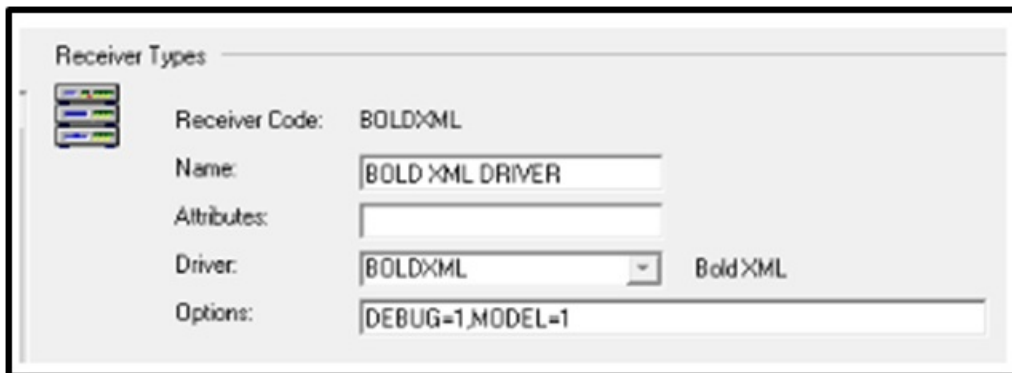
Options

- Raw Event Programming
- Monitored Transmission Path
- Generate Late to Test only when Closed
- Web Capable

In Supervisor Workstation navigate to Maintenance>Setup>SubTypes and Edit>Add
Select the radio button for 'Reverse Command Types' and add a Description of SentryAI and click OK and Save



Next, navigate to Maintenance>Setup>Receiver Types and verify there is an existing Receiver Type for BOLDXML with the options of 'DEBUG=1,MODEL=1'. If it doesn't exist create it, or a copy of an existing BOLDXML receiver type with those options.



Still, in Supervisor Workstation navigate to Maintenance>Setup>Receivers. First, create the Receiver Line Prefix by highlighting Rec Line Prefixes and clicking Add. Add the Receiver Line Prefix and the description. Click OK and save.

Back in Manitou navigate to the Monitoring Company record>TX ID Ranges. Edit and add the new Receiver Line Prefix and create a range. Save.

RL Prefix SAI	Decimal	0	12345	2	<input type="checkbox"/>	<input type="checkbox"/>
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Still, in Manitou create a new system account that uses the SentryAI Transmitter Type and the Receiver Line Prefix with a unique Transmitter ID.

Go back to Supervisor Workstation and go back to Maintenance>Receivers. Go back into edit mode and select the primary FEP and click Add. Add a new Receiver and choose the Receiver Type as the BOLDXML (or the copy) previously made. Add a description of SentryAI and click OK. Update the port type to TCP/IP (In), the host IP as the IP where the FEP is running, and the port number you want to use for communication. Select the Default Receiver Line Prefix as the SentryAI prefix previously created for both Defaults and Default Designation for Unknown Signals. Select the System account created above as the default account. Save.

Receivers

Receiver Number: 67

Receiver Type: BOLDXML

Description: SentryAI 1

Port Type: TCP/IP (In)

Host IP: localhost

Port Number: 10123

Host IP (Secondary):

Port Number (Secondary):

Soft Command Receiver Code:

Disabled

Defaults:

Default Receiver Line Prefix: SentryAI

Default Monitoring Group: Monitoring Group 0

Default Designation for Unknown Signals:

Receiver Line Prefix: SentryAI

Transmitter ID: 9999123

SentryAI Default System Account


Linked Receiver:

FEP Number:

Receiver Number:

Still, in Supervisor Workstation navigate to Maintenance>Setup>Reverse Channel Routes. Click Edit and highlight Sentry AI and click Add. Add SentryAI as the description and click OK. Set the Application Type to FEP, the Receiver line prefix to SAI (or what you created earlier), select the specific FEP the receiver was added to, and select the specific Receiver. Select * for the Receiver Line and leave Receiver Type blank. Save.

Reverse Channel Routes



Protocol:	SentryAI
Sequence:	1
Description:	<input type="text" value="SentryAI"/>
Dealer:	<input type="text"/> <input type="button" value="Q"/>
Application Type:	<input type="text" value="FEP"/>
Receiver line prefix:	<input type="text" value="SAI"/>
FEP:	<input type="text" value="FEP1"/>
Receiver:	<input type="text" value="67"/>
Receiver line:	<input type="text" value="*"/>
Receiver type:	<input type="text"/>

Navigate back to Manitou and go to the Monitoring Company record>Reverse Commands. Click and highlight SentryAI. Click Add. Set the first command as 'Send Alarm'. Set the Description the same and Type to 'SentryAI' and click Done. Click the edit on the newly created reverse command.

Set -

Group -Unspecified

User Group - Operator

Response Type - Immediate

Response Delay - 300

Command Level - Customer

Command Detail - None

Under Availability only check 'Alarm Only'

Under Attributes only check 'Retransmission'

Leave all unchecked under CP Types for Retransmission

Under the Options parameters create five Database field types, all as Data Type 'Text'. They should map to the DB values in this order:

Transmitter ID

Event Code

Event Description

Area Number

Event Time

Click Save to save the first reverse command.

Send Alarm - Send Alarm

Type: SentryAI Response Type: Immediate
 Group: Unspecified Response Delay: 300
 Command: Send Alarm Command Level: Customer
 Description: Send Alarm Command Detail: None
 User Group: Operator

Availability

Alarm Only
 Dealer User Allowed
 Customer User Allowed
 Restricted Command
 VRT User Allowed
 Web User Allowed
 Disabled

Attributes

Show All

Connect Command
 Disconnect Command
 Request Binary Data
 Retransmission
 Transmitter Connection Required

CP Types for Retransmission

Show All

Phone
 SMS Phone
 Fax
 Pager
 E-mail
 Retransmission
 Web Address

Q

Field Type	Data Type	Label	Range	DB Value	Default	Format
Database	Text			Transmitter ID		
Database	Text			Event Code		
Database	Text			Event Description		
Database	Text			Area Number		
Database	Text			Event Time		

Rows: 10 v 1-5 of 5

Click and highlight SentryAI. Click Add. Set the second command as 'Send Feedback'. Edit the new reverse command.

Set -

Group - Unspecified

User Group - Operator

Response Type - Immediate

Response Delay - 300

Command Level - Customer

Command Detail - None

Under Availability only check 'Alarm Only'

Under Attributes only check 'Retransmission'

Leave all unchecked under CP Types for Retransmission

Under Optional Parameters set the first one as a Database field type and Data type of 'Text' that maps to the DB Value of 'Transmitter ID'.

Create two Field Type rows of type 'User Input' and both Data Type 'Text'. For the Label on the first one add 'Was this a valid Alarm?' and the second 'Additional Comments for Sentry AI'. Save your changes.

Field Type	Data Type	Label	Range	DB Value	Default	Format
Database	Text			Transmitter ID		
User Input	Text	Was this a valid Alarm?				
User Input	Text	Additional Comments for Sentry AI				

Go back to Supervisor Workstation and navigate to Maintenance>Transmitter Types. Select the SENTRYAI Transmitter Type and edit. Update the Reverse Cmd Protocol to SentryAI.

SENTRYAI - Sentry AI (Event Monitoring)

Protocol Type
Reverse Command Protocol SentryAI

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Customer Configuration

Find or create an existing customer that will be using the SentryAI. Add a System to the account that uses the SentryAI Receiver Line Prefix and the TX Type of SENTRYAI with a valid TX ID.

1 - SentryAI SAI/2	
TX No	1
Description	SentryAI
TX ID	2
Receiver Line Prefix	SAI
TX Type	SENTRYAI

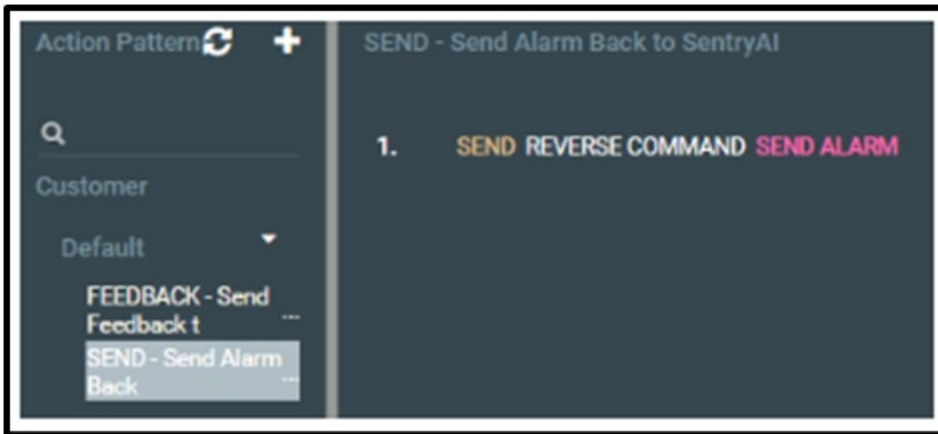
The customer should have a least one Area and Zone to send alarms to. For customers using Open/Close schedules verify a schedule exists on an Area.

Navigate to the customer's Action Patterns. Highlight Customer level and click the button to Add. Add the first Action Pattern as 'FEEDBACK' with the description 'Send Feedback to Sentry AI'. Click Next to continue. Add a Contact to Customer, or whatever the customer-preferred contact tree looks like. As the last Action select 'Send' under External Handling. Set the Route to the previously set Reverse Channel Route. Verify the two User Input fields show at the bottom. Click Apply and Save.

Search	Action Pattern
Customer	FEEDBACK - Send Feedback to Sentry AI
Default	
FEEDBACK - Send Feedback t	
Intrusion	

Step	Action
1.	CONTACT CUSTOMER
2.	SEND REVERSE COMMAND SEND FEEDBACK

Create a second Action Pattern for Sending an Alarm back to SentryAI to acknowledge Open and Close Alarms. Name the second Action Pattern 'SEND' and the only action as 'Send' under External Actions. Select the 'Send Alarm' as the Command and select the Route to the previously set Reverse Channel Route. Verify the two User Input fields show at the bottom. Set the Action as 'Auto Run' by checking the checkbox. Add a Close action from under 'Alarm Handling' and set the Action as 'Auto Run' by checking the checkbox Click Apply and Save.



Navigate to the Customer's Programming under the Sentry AI System. Click to edit and add lines of Event Programming. Add two rows for Open and Close changing the Alarm status to 'Yes' and selecting the Action ID as the 'SEND' Action Pattern.

Create another row of Event Programming for a non-open/closing event. Select 'FEEDBACK' as the Action ID.

Event Programming						
Event	TX	Area	Zone	Alarm	Action ID	Instructions
*C	*	*	*	Yes	SEND	
*O	*	*	*	Yes	SEND	
BA	*	*	*	Default	FEEDBACK	

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Open/Close Events

Adjust the customer customers schedule or send in a manual Open/Close event. To test this you can stop the Auto Client from running and do the actions manually. Or send in with the Auto Client running and verify in the Customer Activity Log that the reverse command was sent.

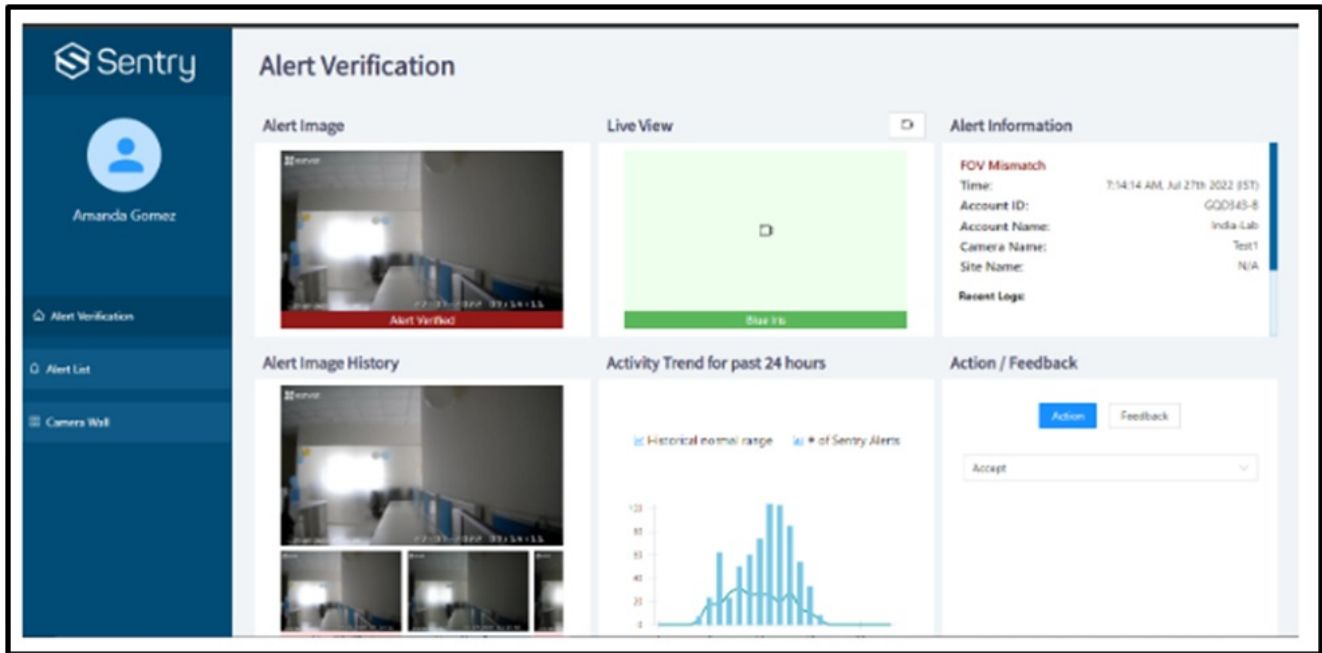
Time	Log Description	User ID
13:28:13	ALARM (Manual) - Open (*O) S: 1 A: 1 RL: SAI TX-ID: SENTRYAI Key: *O OA: 1 Dup-Event	(AUTOCLIENT)
13:28:15	REVERSE COMMAND - Sentry AI Send Alarm - Completed	(AUTOCLIENT)
13:28:15	WAITING FOR COMMAND RESPONSE - Open (*O) - Time: up to 305 Seconds	(AUTOCLIENT)
13:28:19	DEFERRED - Open (*O)	(AUTOCLIENT)

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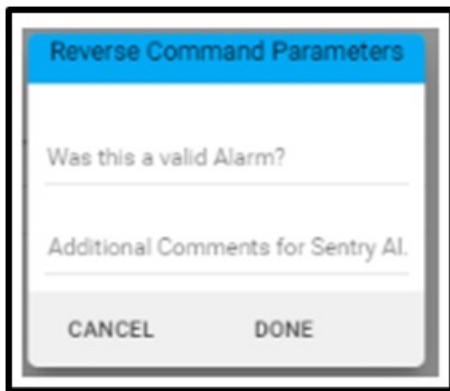
Non-Open/Close Events

Send in a manual FEP (xml packet) alarm that was previously set up in the Event Programming. Open the alarm from the queue.

When you open the alarm, another browser tab will open that shows the Sentry Alert Verification showing a still image of the event.



Navigate back to the alarm in Manitou. Go through the action items. On the Reverse Command action, a box will appear asking for the reverse command parameters.



The user can type in a 'Yes' or a 'No' for the first question. Then they may type in additional notes as needed.

Reverse Command Parameters

Was this a valid Alarm?

No

Additional Comments for Sentry AI.

Testing

CANCEL DONE

Click 'Done' when complete.

The Reverse Command in the Action Pattern should turn red when the action is complete, meaning the data input in the User fields was successfully relayed back to Sentry AI.

Action Pattern - FEEDBACK (0/2)

<input checked="" type="checkbox"/>	1	CONTACT	CUSTOMER
<input checked="" type="checkbox"/>	1	SEND REVERSE COMMAND	SENTRY AI SEND FEEDBACK

The Activity Log should also show that the Reverse Command was 'Completed'

Time	Log Description	User ID	Workstation
13:47:59	ALARM (Manual) - Burglary Alarm (BA) 'Test Zone' S: 1 A: 1 Z: 1 RL: SAI TX-ID: SENTRYAI Key: BA OA: 1 OZ: 1 Con: C		BOLD
13:48:04	ALLOCATED - Burglary Alarm (BA) - Manual		BOLD
13:48:04	VIEWED - Burglary Alarm (BA) - Response [5 Secs]		BOLD
13:48:10	CONTACT Customer - Sentry AI at Site [(555) 555-5555] - Result: Contacted		BOLD
13:48:13	RESPONSE - (BA) - Viewed [5 Secs] View to Action [6 Secs] Actioned [11 Secs]		BOLD
13:48:24	REVERSE COMMAND - Sentry AI Send Feedback - Completed		BOLD

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