

## IXW-MA Supervision Association

### Introduction

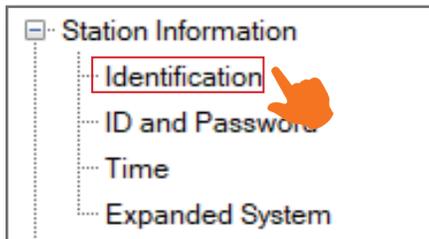
When the IX-MV7 master station detects an issue while executing line supervision or device check, the IXW-MA adaptor can be programmed to trigger relay output 1. This relay will also trigger if the IX-MV7 doing the supervision goes offline. The relay can be connected to an alarm panel or light to alert the user of an issue within the system. This guide will show how to configure the system using IX Support Tool in Table View.

### IXW-MA Support Tool Settings

The IXW-MA will need to be configured using the IX Support Tool software to allow for the supervision functionality.

#### IXW-MA - Identification

The station number of the IXW-MA will need to end with 99 for the supervision feature to be enabled. Using IX Support Tool, expand the **Station Information** tree and select **Identification**. Assign a three to five digit number to the IXW-MA that ends with 99 (i.e. 199, 1099, etc.).

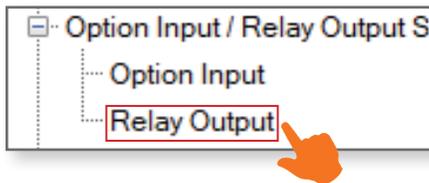


Station Information				
Identification				
#	Number	Name	Location	Station Type
0001	100	Security Desk		IX-MV7*
0002	199	Relay Adaptor		IXW-MA
0003	201	Front Door		IX-DV, IX-DVF(-*)
0004	202	Parking Garage		IX-DV, IX-DVF(-*)

Click **Update** to save the changes.

#### IXW-MA - Relay Output

Expand the **Option Input / Relay Output Settings** tree and select **Relay Output**. Change the function for Relay Output 1 for the IXW-MA to Contact Change SIF Event. Scroll right and select the master station for Relay Output 1 Contact Change SIF Event.



Station Information				Option Input / Relay Output Settings	
Identification				Relay Output	
#	Number	Name	Station Type	Relay Output 1	
				Name	Function
0001	100	Security Desk	IX-MV7*		Door Release
0002	199	Relay Adaptor	IXW-MA		Contact Change SIF Event
0003	201	Front Door	IX-DV, IX-DVF(-*)		Door Release
0004	202	Parking Garage	IX-DV, IX-DVF(-*)		Door Release

Station Information				Option Input / Relay Output	
Identification				Relay Output	
#	Number	Name	Station Type	Relay Output 1	
				Contact Change SIF Event	
				Number	Station List
0001	100	Security Desk	IX-MV7*		
0002	199	Relay Adaptor	IXW-MA	100	Open
0003	201	Front Door	IX-DV, IX-DVF(-*)		
0004	202	Parking Garage	IX-DV, IX-DVF(-*)		

Click **Update** to save the changes.

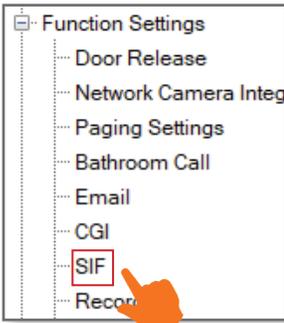
# IX-MV7 Support Tool Settings

The IX Support Tool software will also be used to configure the IX-MV7 master station's Line Supervision and Device Check operations. A signal will also be sent to the IXW-MA when a problem is detected.

## IX-MV7 - SIF

The IX-MV7 sends the IXW-MA a SIF event when a problem is detected on the system. Expand the **Function Settings** tree and select **SIF**. Set SIF Functionality for the IX-MV7 master station to **Enable** and then enter the following for the SIF Settings:

- Program Type:** 0100
- IP address** of the IXW-MA
- Destination Port:** 65014
- SSL:** Enable
- Connection:** Socket



Station Information				Function Settings							
Identification				SIF							
#	Number	Name	Station Type	SIF Functionality	SIP URI	No.01					
						SIF Settings					
						Program Type	IPv4	IPv6	Destination Port	SSL	Connection
0001	100	Security Desk	IX-MV7-*	Enable	Disable	0100	192.168.1.13		65014	Enable	Socket
0002	199	Relay Adaptor	IXW-MA	Disable	Disable						
0003	201	Front Door	IX-DV, IX-DVF(-*)	Disable	Disable						

## IX-MV7 - SIF Transmission Triggers

Scroll right and check the boxes under the following items:

- Passed Line Supervision**
- Failed Line Supervision**
- Passed Device Check**
- Failed Device Check**

Station Information				Function Settings					
Identification				SIF					
#	Number	Name	Station Type	No.01					
				Transmission Trigger					
				Speed Dial Input	Begin Record	Passed Line Supervision	Failed Line Supervision	Passed Device Check	Failed Device Check
0001	100	Security Desk	IX-MV7-*	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0002	199	Relay Adaptor	IXW-MA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0003	201	Front Door	IX-DV, IX-DVF(-*)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Click **Update** to save the changes.

## IX-MV7 - Line Supervision and Device Check

The IX Series uses the Line Supervision and Device Check operations to check the connection status and functionality of the stations in the system. Both of these operations can be manually initiated on the IX-MV7 master station and automatically initiated based on a set interval or schedule. To configure this, expand the **Station Settings** tree and select **Line Supervision**. Under **Line Supervision Interval** and **Device Check Interval**, use the **Test Interval** drop-downs to designate how often each test occurs, then create a schedule if a **Daily** or **Weekly** interval was selected.

Station Information				Station Settings							
Identification				Line Supervision Interval				Device Check Interval			
#	Number	Name	Station Type	Test Interval	Weekly	Line Supervision Schedule		Test Interval	Weekly	Device Check Schedule	
						Hour	Minute			Hour	Minute
0001	100	Security Desk	IX-MV7-*	15 sec	Sun	00	00	Weekly	Sun	05	00

**i** **Line Supervision**  
Checks for connection status of stations. Using a time-based interval is recommended.

**i** **Device Check**  
Checks the functionality of individual components on all stations. As a tone will be heard at each station, a Daily or Weekly interval scheduled after hours is recommended.

Click **Update** to save the changes.

## Upload Settings

All updated settings will need to be uploaded to the IX-MV7 master and IXW-MA adaptor. Expand **File** and select **Upload Settings to Station**. Select the IX-MV7 and IXW-MA from the list and click **Settings** to upload the updated settings.

Select	Number	Name	Location	Station Type	Status
<input checked="" type="checkbox"/>	100	Security Desk		IX-MV7-*	-
<input checked="" type="checkbox"/>	199	Relay Adaptor		IXW-MA	-
<input type="checkbox"/>	201	Front Door		IX-DV, IX-DVF(-)	-
<input type="checkbox"/>	202	Parking Garage		IX-DV, IX-DVF(-)	-