General Alarm Panel Wire Guide

Powering the Bridge from an alarm panel's 12v auxiliary power terminals also create a *common ground between the two devices. It's important to know your alarm panels available power output and usage of the auxiliary power.

* A common ground between the Bridge and the alarm panel will simplify wiring the arming pin and alarm zone trigger wiring in the next steps.

Alarm Panel

Detector (Door Contact, Glassbreak, Motion, etc.)

Resistor

* Com

Zone

Powering the Bridge with an Alarm Panel

AUX -

AUX+

Arming Output

AC -

Power Transformer

AC+

+

−

I G I G I G I G NC C NO ARM G 12v

Input 1   Input 2   Input 3   Input 4   Relay Output   Arming Input   Power Input

The CKB304 Bridge will pull ~400mAmps
The CKB312 Bridge will pull ~800mAmps

OPTEX
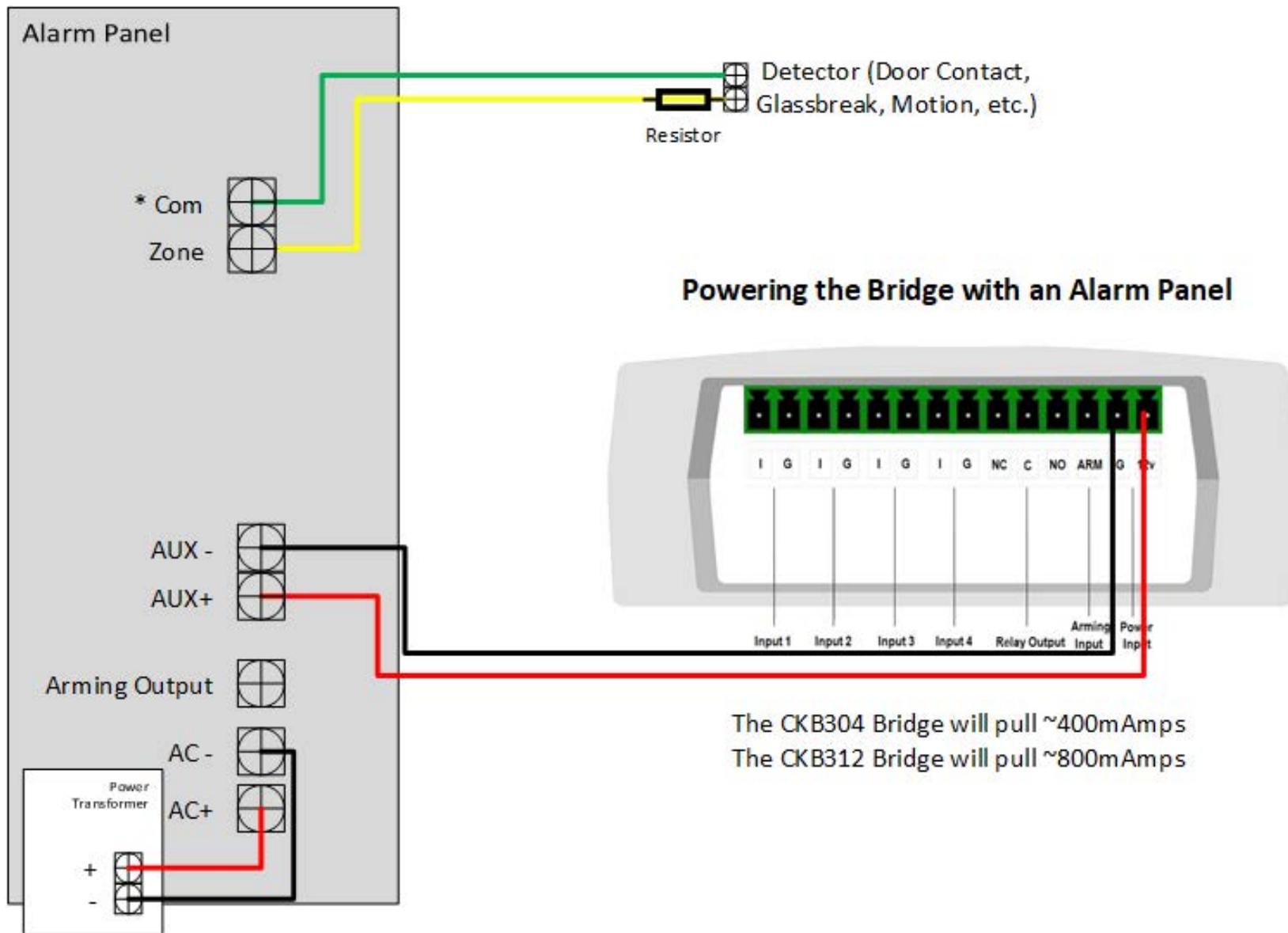
Visual Monitoring Bridge

When powering the Bridge from an separate 12v power supply you should also create a *common ground between the two devices. Connect the auxiliary negative terminal to the Bridge power (G) terminal.

* A common ground between the Bridge and the alarm panel will simplify wiring the arming pin and alarm zone trigger wiring in the next steps.
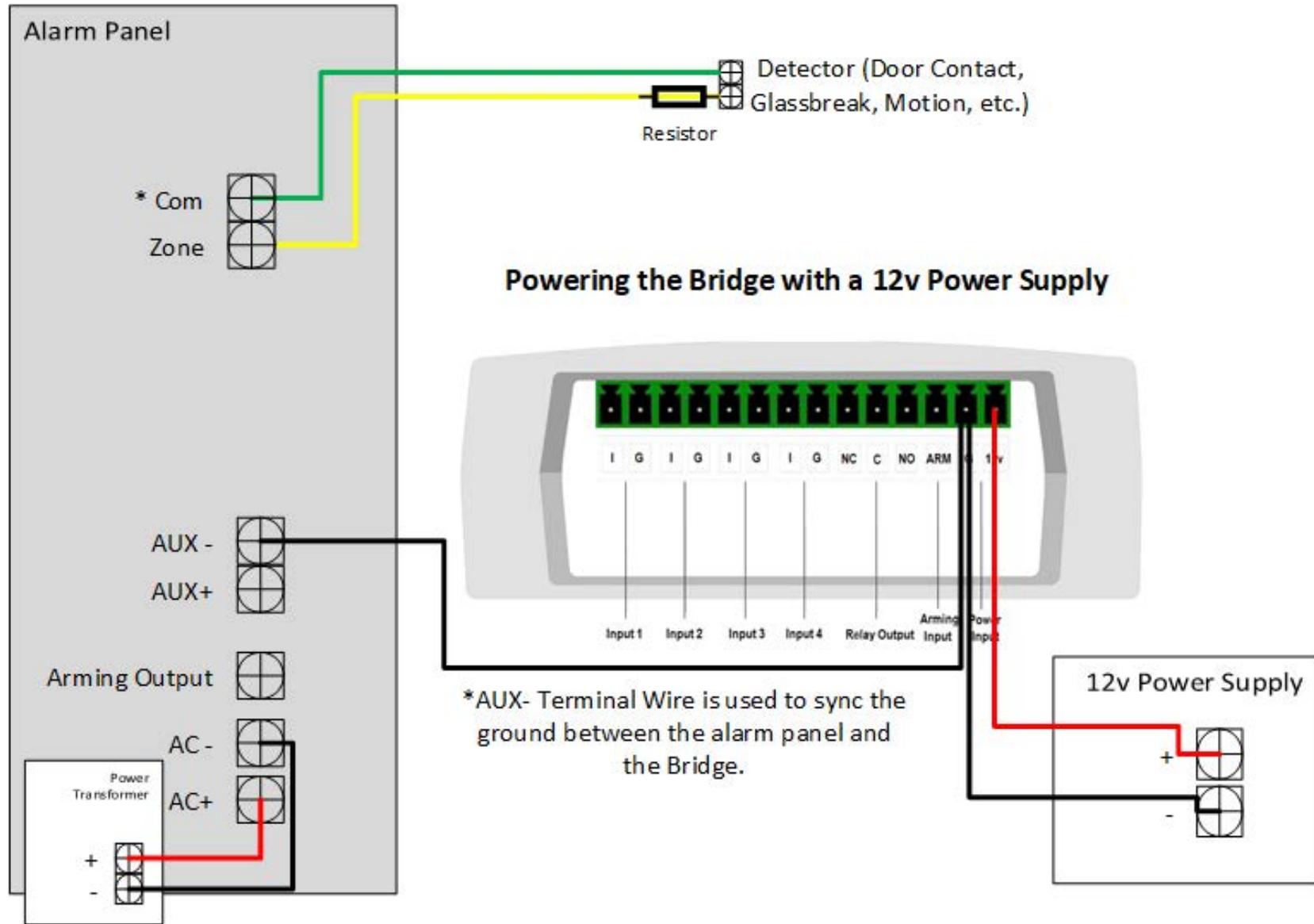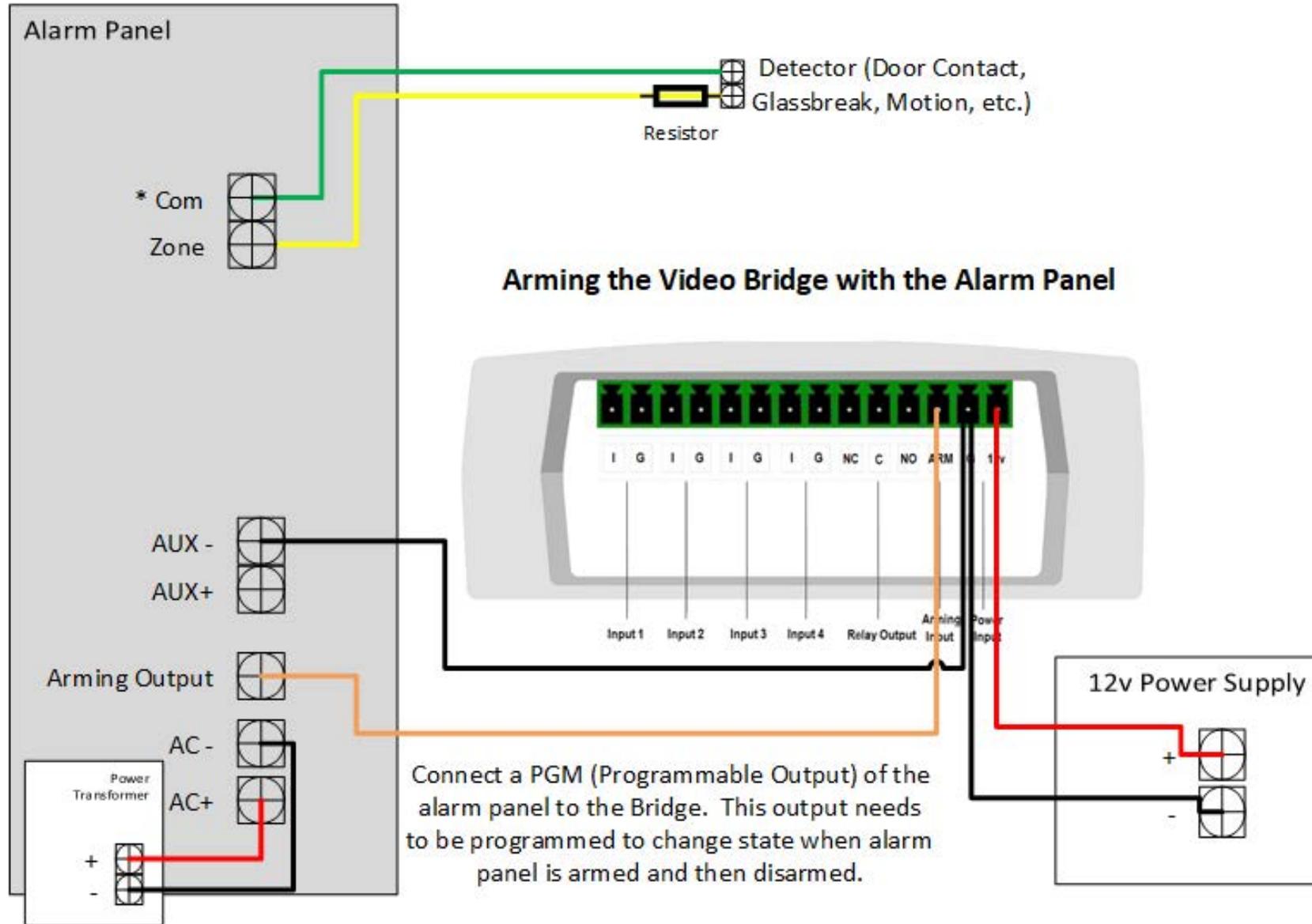
Alarm Panel

Detector (Door Contact, Glassbreak, Motion, etc.)

Resistor

* Com

Zone

Powering the Bridge with a 12v Power Supply

I G I G I G I G NC C NO ARM G 12v

Input 1   Input 2   Input 3   Input 4   Relay Output   Arming Input   Power Input

AUX -

AUX+

*AUX- Terminal Wire is used to sync the ground between the alarm panel and the Bridge.

Arming Output

12v Power Supply

+

−

AC -

Power Transformer   AC+

+

−

OPTEX

Visual Monitoring Bridge

Connect programmable output of the alarm panel to the (Arm) pin of the Bridge. Then program the alarm panel to latch the output when disarmed and open the output when armed.

* A common ground between the Bridge is required to use this wiring method. If a common ground is not possible then you may need to use an additional relay for arming the Bridge.
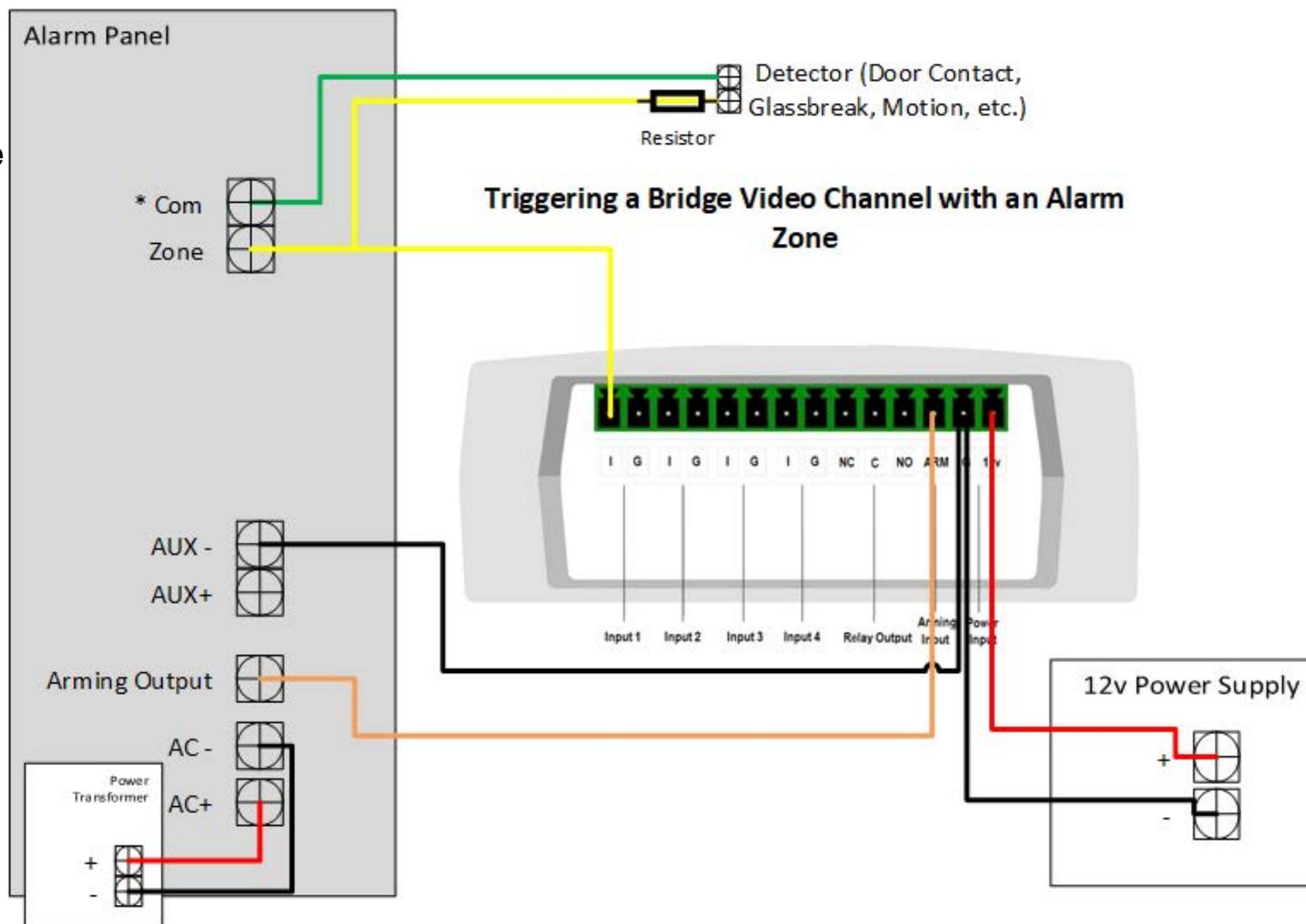
Alarm Panel

Detector (Door Contact, Glassbreak, Motion, etc.)

Resistor

* Com

Zone

Arming the Video Bridge with the Alarm Panel

I G I G I G I G NC C NO ARM G 12v

Input 1   Input 2   Input 3   Input 4   Relay Output   Arming Power Input   Power Input

AUX -

AUX+

Arming Output

AC -

Power Transformer

AC+

+

−

Connect a PGM (Programmable Output) of the alarm panel to the Bridge. This output needs to be programmed to change state when alarm panel is armed and then disarmed.

12v Power Supply

+

−

OPTEX

Connecting a trigger wire from the panel zone to a Bridge Input (I), you are associating that zone to the camera on the Bridge channel. When the voltage of this zone loop changes the Bridge will create a video alarm on the Bridge Channel.

The "Normal" and "Alarm" voltage values of the Bridge are programmed in the CHeKT Dealer Portal.

*A common ground between the Bridge is required to use this wiring method. If a common ground is not possible then connect the zone common terminal to the Bridge Channel (G) terminal.

Alarm Panel

* Com

Zone

Detector (Door Contact, Glassbreak, Motion, etc.)

Resistor

Triggering a Bridge Video Channel with an Alarm Zone

I G I G I G I G NC C NO ARM G 12v

Input 1   Input 2   Input 3   Input 4   Relay Output   Arming Power Input Input

AUX -

AUX+

Arming Output

AC -

AC+

Power Transformer

+

–

12v Power Supply

+

–

OPTEX

Step ④ Documenting Zone Trigger Wires

Visual Monitoring Bridge

Using the CHeKT Wiring Information Sheet, *record all the alarm panel zone trigger wires and their association to the Bridge Channel Inputs (I)

***Although this step is not required it will save you significant time and programming and learning in cameras to the correct channels of the Bridge.**

CHeKT Wiring Document Link

https://support.chekt.com/portal/en/kb/articles/bridge-wiring-sheet

CHeKT Wiring & Information Sheet						Customer Act #		
Site Installation Area Type								
	Interior Visual Alarm Monitoring - Video Verification (I)				Unsecured Exterior Visual Alarm Monitoring (U)			
	Secured Exterior Visual Alarm Monitoring (S)				Remote Visual Guard Monitoring - Video Guard Services (G)			
1st	**Model**			**MAC Address**		**Entry Key**		
	Arming Source:	Alarm Panel Pairing:				CHeKT Video Security System:		
		Alarm Panel Type:						
		Arming Method:	High Votage Arming:		Low of Votage Arming:	CHeKT Mobile App:		
	Alarm Input Zone	**Panel / Site Zone#/Area**	**Description**		**Camera Type**	**Camera/Recorder IP Address**	**NVR/DVR Channel**	**Username/Password**
	DI1			IP	COAX			
	DI2			IP	COAX			
	DI3			IP	COAX			
	DI4			IP	COAX			
	DI5			IP	COAX			
	DI6			IP	COAX			
	DI7			IP	COAX			
	DI8			IP	COAX			
	DI9			IP	COAX			
	DI10			IP	COAX			
	DI11			IP	COAX			
	DI12			IP	COAX			
Bridge Service Options								
Video Alarm Verification Clips		Controllable Relays		Audio Talk Down				

OPTEX

Step ⑤ Registering the Bridge

Visual Monitoring Bridge

To register a Bridge,
1. **Go to your CHeKT Dealer Portal account. dealer.chekt.com**
2. **Create the customer site.**
3. **Register the Bridge using the Bridge QR code information.**

*A Bridge can be registered at any time before or after panel wiring.

Bridge Registration Link

https://support.chekt.com/ portal/en/kb/articles/ registering-a-chekt-bridge

Step **6** **Registering Cameras**
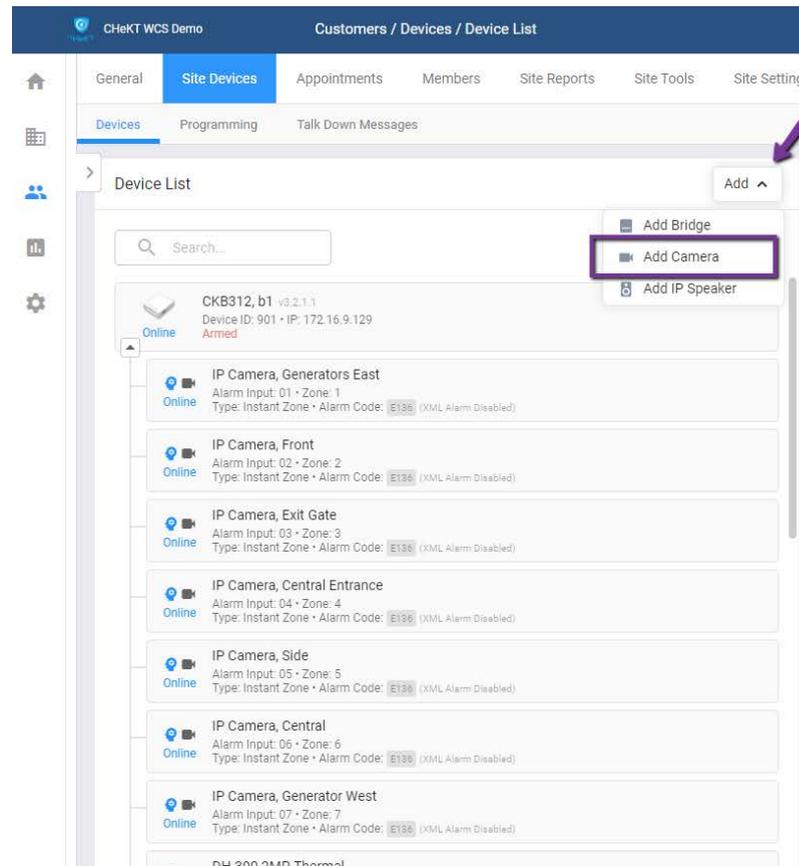
Visual Monitoring Bridge

To register cameras,
1. **Go to your CHeKT Dealer Portal account.** dealer.chekt.com
2. **Select the customer site.**
3. **Follow the "Add Camera" wizard.**

*To register cameras the Bridge must be Online and have local area network access to the cameras or network recorder to authenticate and retrieve the video stream.

Camera Registration Link

https://support.chekt.com/ portal/en/kb/articles/ connecting-cameras-to-a- chekt-bridge

CHeKT WCS Demo — Customers / Devices / Device List

General | Site Devices | Appointments | Members | Site Reports | Site Tools | Site Settings

Devices | Programming | Talk Down Messages

Device List — Add

Add Bridge
Add Camera
Add IP Speaker

Site Map

Search...

CKB312, b1 v3.2.1.1
Device ID: 901 · IP: 172.16.9.129
Online — Armed

IP Camera, Generators East
Alarm Input: 01 · Zone: 1
Online — Type: Instant Zone · Alarm Code: E136 (XML Alarm Disabled)

IP Camera, Front
Alarm Input: 02 · Zone: 2
Online — Type: Instant Zone · Alarm Code: E136 (XML Alarm Disabled)

IP Camera, Exit Gate
Alarm Input: 03 · Zone: 3
Online — Type: Instant Zone · Alarm Code: E136 (XML Alarm Disabled)

IP Camera, Central Entrance
Alarm Input: 04 · Zone: 4
Online — Type: Instant Zone · Alarm Code: E136 (XML Alarm Disabled)

IP Camera, Side
Alarm Input: 05 · Zone: 5
Online — Type: Instant Zone · Alarm Code: E136 (XML Alarm Disabled)

IP Camera, Central
Alarm Input: 06 · Zone: 6
Online — Type: Instant Zone · Alarm Code: E136 (XML Alarm Disabled)

IP Camera, Generator West
Alarm Input: 07 · Zone: 7
Online — Type: Instant Zone · Alarm Code: E136 (XML Alarm Disabled)

DH-390 2MP Thermal

Note: When adding cameras, it's essential that the camera can see the full detection area of the alarm panel zone sensor, so an operator can clearly see the alarm activation event.

OPTEX

Step 7 Additional Steps

Visual Monitoring Bridge

Once you have completed these steps, you may want to add additional services and features like:

1. **Configure Controllable Relays**
2. **Adding IP Speakers**
3. **Adding a Central Alarm Monitoring Center**
4. **Adding a Site Map for the Monitoring Center**
5. **Add customers to the end-user mobile app**
6. **Configure Camera Analytics**
7. **Set Camera Privacy Mode**
8. **Configure Audio Messaging to a site**

*To learn about these and other settings visit our support site at https://support.chekt.com/portal/en/home

CHeKT Support Link

https://support.chekt.com/portal/en/home

OPTEX POWERED BY CHeKT — **CHeKT Support** — Home | My Area | Knowledge Base | Community | Dealer Launch Site | Sign In | A'

Knowledge Base / CHeKT

Search articles

Getting started with CHeKT
Getting started with CHeKT

- Welcome to CHeKT - Getting Started
- Loading Dealer Logo for Portal and Text Displays
- Configuring your XML Alarm Library
- Payment Preferences
- Creating a New Customer Site

more →

Setting up the CHeKT Bridge
Setting up the CHeKT Bridge

- OPTEX InSight Cameras
- Programming Voltage Ranges for Bridge Arming Pin
- Programming Voltage Ranges for Digital Inputs
- Updating Bridge Firmware
- Adding an Axis IP Speaker - (FW Verison 3.2 & higher)

more →

CHeKT Monitoring Portal Feat...
CHeKT Monitoring Portal Features

- Downloading Video Event Clips
- Using The Talk Down Service
- "Share Event Link" Option in the Monitoring Portal
- Understanding the 2-Minute Event Request "Rewind"
- Enhanced Video Event Clip - MP4

more →

Central Station Integrations
Central Station Integrations

- Patriot Integration Setup
- Stages Integration with CHeKT
- MASterMind Integration Setup
- Integrating CHeKT with my central station software?
- Creating a CHeKT Signaling Adaptor

more →

End User Features
End User Features

- End-User App Guide
- Setting a Camera to "Privacy Mode"
- Creating an End-User Login for your customer
- Managing Camera's Privacy Mode for customers

FAQs and Troubleshooting
FAQs and Troubleshooting

- CKB312 Product Information
- How much internet bandwidth does the CHeKT Bridge use?
- Mounting an Axis Camera to the CHeKT Bridge - (FW Verison 3.2 & higher)
- Mounting an Axis Camera to the CHeKT Bridge - (Pre FW Verison 3.2)
- How does CHEKT create alarms signals and video events?

OPTEX