

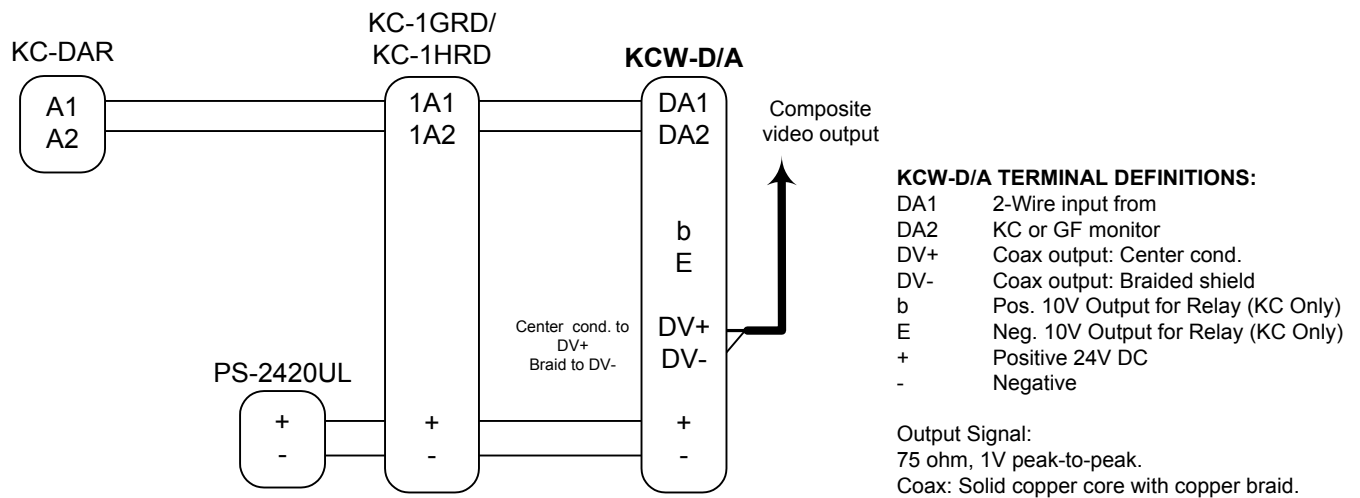
# KCW-D/A

## Video Demodulator for the KC & GF Series Video Systems

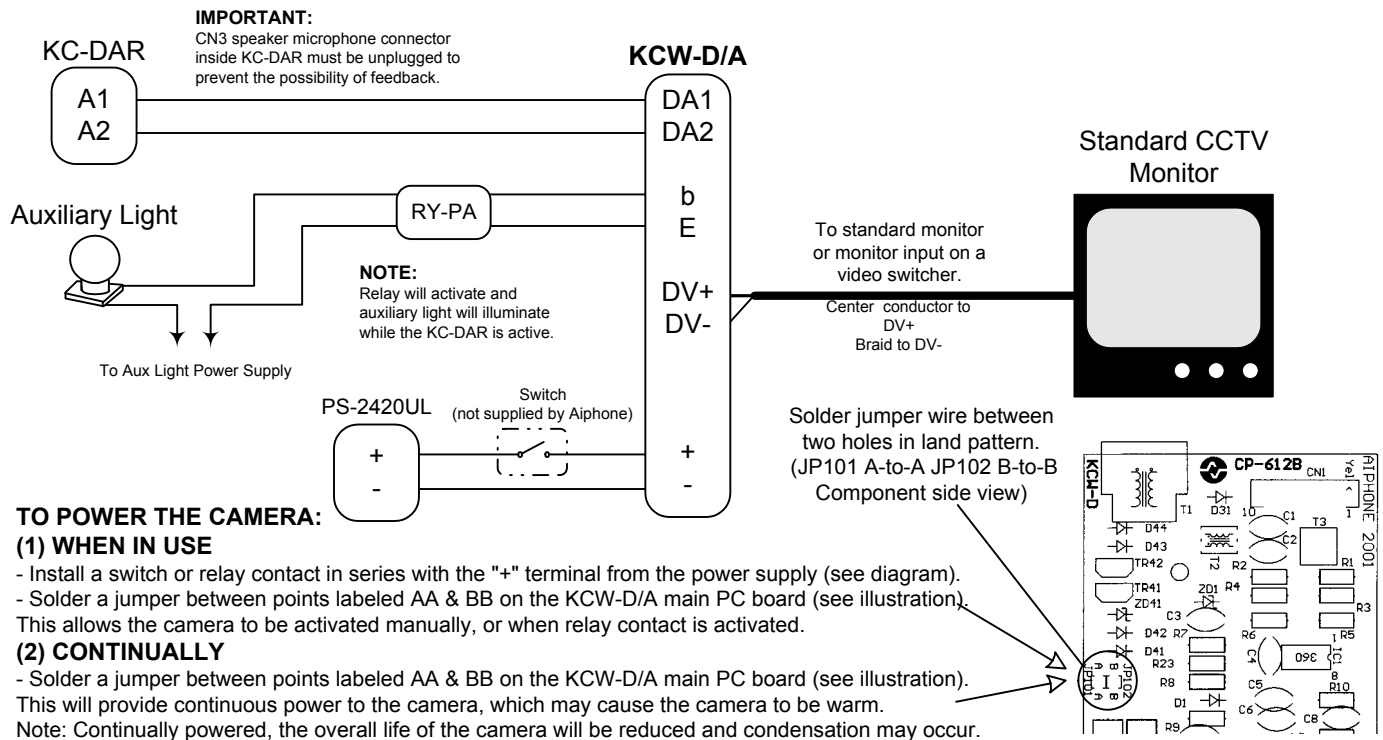
### - INSTRUCTIONS -

The KCW-D/A adaptor converts the 2-wire video signal from the KC and GF systems to a standard composite video output signal. This allows the image from the door station to be seen on a standard CCTV monitor or TV (video input). The video image can also be recorded if connected into a VCR or time lapse recorder.

#### WIRING DIAGRAM: KCW-D/A for Composite Video Output from a KC monitor

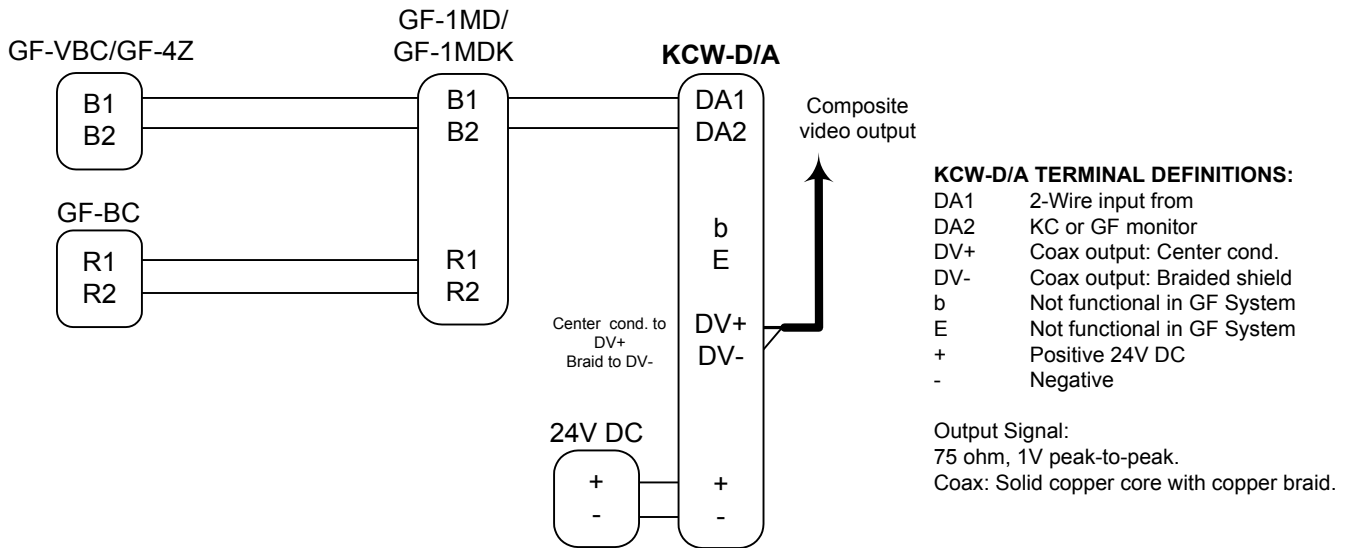


#### KC Video Door Station with Standard Monitor (No audio communication or Tilt capabilities)



# WIRING DIAGRAM: KCW-D/A for Composite Video Output when any GF monitor is active

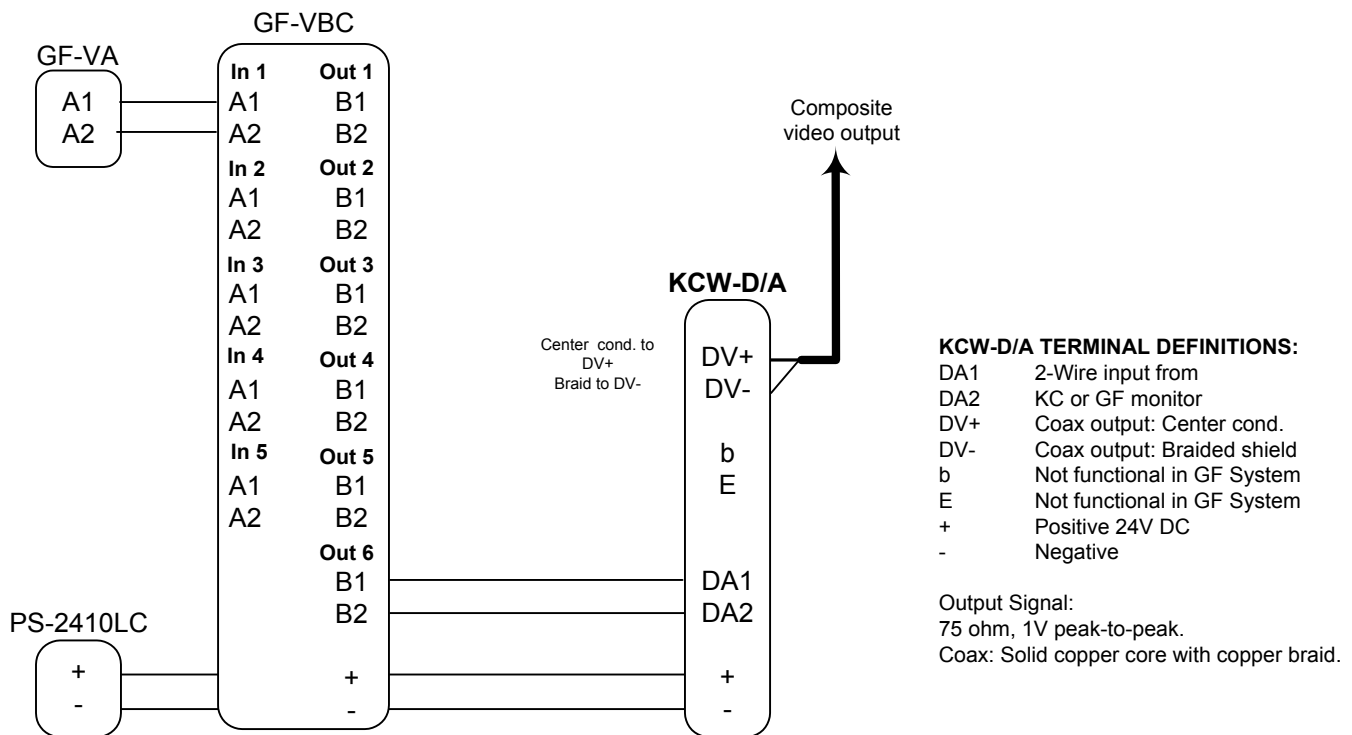
## Method 1: Connecting KCW-D/A to a specific monitor



### Notes:

1. Since the video signal is common throughout the system, video will be present from the KCW-D/A when any GF-1MD monitor is on.
2. Any 24V DC, 1A power supply can be used to power the KCW-D/A.

## Method 2: Connecting KCW-D/A directly to GF-VBC

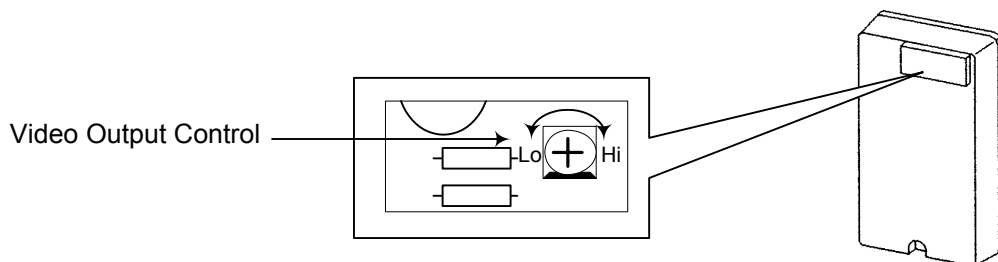


### Notes:

1. Video will be present from the KCW-D/A when any entrance panel is on, broadcasting video through all of the outputs of the GF-VBC. The KCW-D/A can be connected to any unused output.
2. KCW-D/A can be connected to any of the six outputs on the GF-VBC, including those being connected to GF-4Z, GF-1MD or GF-1MDK.
3. The KCW-D/A can also be connected to a GF-4Z. Wire to an output as above, but make sure additional wires are run to the KCW-D/A for power.

## Video Output Control:

Using a small screwdriver, adjust the Video Output Control to obtain the correct level for the CCTV device you are using. The Video Output Control is located under the rubber cover on the upper right hand corner of the KCW-D/A faceplate.



## OPERATIONS

### Using the KCW-D/A for VIDEO OUTPUT with the KC and GF systems:

1. When a call is initiated from the door station (KC) or entry panel (GF), the monitor called will ring and the picture will activate. At that time, the video signal out of the KCW-D/A adaptor will be present, and the picture can be seen on the CCTV monitor(s).
2. The video output can be connected to any receiving device that accepts a composite video signal (75 ohm, 1V peak-to-peak). This could be a standard CCTV monitor, multiplexer, or an adaptor that modulates the video onto a cable TV channel. To take the video signal directly into a TV, use a spare video input or go through the proper modulator.

### NOTES:

**KC System Only:** When the MONITOR button on any Monitor is pressed, the video will turn on for approximately 30 seconds, and video signal will be sent to the monitor via the KCW-D/A.

**GF System Only:** Video is present at the KCW-D/A regardless of which monitor has been called.

### Using the Demodulator to integrate a KC-DAR video door station with a standard CCTV monitor: (No audio communication or Tilt is possible with this application.)

1. To view the camera location at any time, the camera must be powered at all times, or a switch must be installed to turn it on. To do this, the PC board must be modified by adding a jumper wire in the location indicated on the wiring diagram on page 1. *Soldering is required. This modification should be done by qualified technicians only.*
2. There is no Tilt control of the KC-DAR camera in this application.
3. There is no audio communication with the KC-DAR in this application.
4. If the camera is powered continually, there will always be a video output from the KCW-D/A. This application will shorten the life of the camera.

### SPECIFICATIONS:

Power:	24V DC. Use Aiphone model PS-2420UL or PS-2410LC.
Current consumption:	500mA
Wire:	18AWG, 2-conductor non-shielded Use Aiphone wire #841802 or 871802
Wiring distance:	ALL DISTANCES ARE WITH 18 AWG WIRE.
Demodulator:	Max. 30' from monitor when used for video output. Max. 330' from KC door station when used with a standard monitor.
Power supply:	Max. 16' to KCW-D/A
Dimensions:	5-1/2"H x 3"W x 1-1/2"D
COAXIAL CABLE:	75 ohms, solid copper center conductor, copper braid, 95% coverage.
DC resistance:	Max. 15W per 1000 feet

### Note:

Only information pertaining to the connection and operation of the KCW-D/A and connection of a standard video monitor is included here. For complete installation, wiring, and operational information, please refer to the appropriate Installation Manual.