

# CG-1



## SINGLE CHANNEL VIDEO CAMERA GUARD

The **CG-1 Camera Guard** system supervises the signal continuity of a video signal from CCTV cameras or any video source. This supervisory system will identify loss of the video signal due to removal of the camera, loss of power to the camera, a camera cable disconnect, or a defective camera. The CG-1 supervisory system continuously monitors and displays the "video on" condition of the video source or camera. Use it to monitor video cameras and shut down un-attended gas pumps if the video camera is tampered with or fails.

Normally Open or Normally Closed Alarm contacts are provided to send an alarm or activate equipment when loss of video occurs. These contacts are field programmable for Normally Open or Normally Closed contact operation. This unit can be connected to a local alarm to alert monitor personnel that a camera is being tampered with or send a message to a remote site by connecting the alarm output to external dialing equipment. It can be used to shut down equipment such as gas pumps when the video fails.

The CG-1 will identify tampering or failure of cameras when it occurs, reducing the liability associated with extended and undetected loss of area security when cameras are rendered in-operative without notification. The CG-1 increases the level of security provided by the CCTV system.

The CG-1 Camera Guard can be connected anywhere between the camera and the Monitor equipment in the video path. You can connect it near the camera to activate a local alarm, or at the monitor location to alert monitor personal or to shut down equipment.

It provides a "Loop-through Input" that will not affect the picture quality or the video level. The unit can be configured to detect the loss of SYNC or luminance (White level) that indicates the power to the camera is off, the coaxial cable is "disconnected", the camera lens is covered, or the Wireless Transmission system/Fiber optic system has lost its signal.

It can also detect the loss of end of line equipment like public monitors or down stream equipment by configuring the unit to monitor for termination resistance. If the end of line equipment is removed or disconnected the alarm relay will activate providing security for the exposed equipment.

Use this unit in any CCTV installation that requires guaranteed continuous video monitoring. Use the CG-1 to monitor the cameras in sensitive areas like loading docks or any area subject to the unauthorized movement of product or stock. Or use it to determine if you have an intermittent failure problem in any CCTV system. The CG-1 has an easy mounting flange that will mount to any surface with just two screws and is supplied with a 24 VDC power cube.



**INPUT**

Level  
 Impedance  
 Video Standard  
 Connectors

**SPECIFICATION**

0.5 - 2.0 Vpp (1 Vpp Nominal)  
 High Z (Loop Through)  
 CCTV, NTSC, PAL,  
 BNC (Female) 2

**OUTPUT RELAY**

Programmable Relay  
 Maximum Switching Power  
 Maximum Switching Voltage  
 Current Rating

A or B Form Dry Contact  
 60 W, 62.5 VA  
 220 VDC, 250 VAC  
 0.3 A 125 VAC  
 0.3 A 110 VDC, 1.0 A 30 VDC

**MECHANICAL**

Size  
 Enclosure  
 Power Requirements  
 Power Connector  
 Current Consumption

5" L x 2.25"W x 1.50"D  
 ABS with Mounting Flange  
 24 VDC Wall Mount (Supplied)  
 5.5mm x 2.5mm  
 50 mA

CG-1spc