IPG-8R
CAMERA GUARD RELAY RECEIVER

The IPG-8R is the receiver used in an IP video loss system used when several cameras are networked and sent to another location over a wireless network or when no other wires can be run to carry the video loss information back to the pump control site.

This unit receives a signal from an IPG-4T unit that inserts IP video loss information from cameras at the other end of a network. The IPG-8R has relay outputs to indicate the loss of IP camera signals ahead of any network switches or combiners. This unit has 8 relay outputs to indicate the loss of up to 8 cameras for connection to gas pump shut off systems to meet the TSSA requirements. There is a separate relay output to indicate the loss of a network connection, so a determination can be made whether the cameras are out or if the network path has failed.

The embedded device server uses 10/100Mbit Ethernet protocol, auto sensing, stable field proven TCP/IP protocol, easy configuration through a web interface or by direct Ethernet cable connection, Password Protection capable and Bi-Color LED indicators for Link status, speed, and activity.

This unit has a standard 8P8C network connector to recover the IP video loss information from the network for use at the pump control system. The signals generated by the IPG-4T transmitter will go anywhere on the network using TCP/IP protocol, so you can position this receiver anywhere the Ethernet signal is available.

The relay outputs mirror the IP signal condition and contact inputs applied to the IPG-4T transmitter unit, So, that when the IP signal has failed the relay output is open circuit and at the same time the LED indicator for that channel is off.

The system is housed in black ABS enclosures that have a UL flame rating of 94-VO and is powered by a 12VDC power transformer.

ALARM OUTPUT	SPECIFICATION
Channels	8
Connectors	20 Pos. Screw Terminal
LED Indicator	Green IP Loss = Off
Relay Type	A Form Relay 1 Amp Max.
Alarm Report	IP Loss = Open Circuit
Relay Loop Resistance	1 Ohm or specify
LED Indicator	Red Network Loss = On
Alarm Relay Type	A Form Relay 1 Amp Max.
Alarm Report	Network Loss = Closed Circuit

NETWORK CONNECTION	
Data Speed	10/100Mbit (Auto-Sensing)
Protocol	TCP/IP
Connector	8P8C (RJ45)
P.O.E.	Not Used (Terminated)
Data Rate	9600 Baud (Relay Data)
Bi-Color LEDs	Activity and Transmission Status

MECHANICAL	
Size	5.50"L x 4.3"W x 3.0"D
Power	12VDC 320 mA

This unit requires an IPG-4T unit out at the IP cameras to detect and encode the information back to the control point to operate the pump controls for shut off if an IP camera fails. The IPG-4T can monitor 4 IP video channels and with the addition of a standard IPG-4 unit you can add 4 more channels for transmission over the Ethernet back to the IPG-8R unit.