

# VLI771



## VIDEO LOSS INDICATOR

INSTALLATION MANUAL

IB 627905

# VLI771

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### DESCRIPTION

The VLI771 VIDEO LOSS INDICATOR is an automatic device that monitors the Primary video source and activates a relay to indicate on alarm when the primary video signal ceases. The unit switches the relay back when the video returns. If a power failure occurs the unit will automatically activate the relay to indicate an alarm condition.

The unit can be used to activate a hot standby source or to put up a test pattern when main video fails. The unit is equipped with two FORM C relay contacts capable of handling 1 Ampere at 24 Volts.

### FEATURES

One of the features is a Presents of video front panel LED which indicates the status of the video at the input.

Standard BNC connectors are used for the video input / output, and a plug-in style removable screw terminal connector is used for the FORM C relay outputs. This connector plug can be pre-wired thus reducing your installation time.

This unit is housed in a sturdy aluminum die cast box which is completely RF shielded. The box can be mounted in the front or rear of your rack with the standard mounting bracket.

### SET-UP AND INSTALLATION

Remove the equipment from the packing materials. The following materials should be supplied with each order.

QTY 1	VLI771 (Blue Box).
QTY 1	Power Cube +24 VDC.
QTY 1	12 Position Plug Audio Connector (may be attached).
QTY 1	Rack Mount Angle Bracket (may be attached).

Locate a convenient place in your rack and mount the unit using the handy Rack Mount Angle Bracket. Next attach the video signal to the input BNC connector labeled VIDEO INPUT. Then attach the second video cable to the BNC connector labeled VIDEO OUTPUT. This loops the video through the VLI771. The video path will only be interrupted during the transfer of cables. The VLI771 will not terminate the video or cause any distortion of the base-band video. If the video needs to be terminated at the unit, place a 75 Ohm BNC termination on the VIDEO OUTPUT connector.

## SET-UP AND INSTALLATION (continued)

The 12 position snap in connector is numbered from left to right, 1 to 12. The following is a table used to connect to the dual FORM C relay.

1. NORMALLY CLOSED N.C. (A)
2. NORMALLY CLOSED N.C. (B)
3. COMMON ARM COM. (A)
4. COMMON ARM COM. (B)
5. NORMALLY OPEN N.O. (A)
6. NORMALLY OPEN N.O. (B)
7. NO CONNECTION
8. NO CONNECTION
9. NO CONNECTION
10. NO CONNECTION
11. NO CONNECTION
12. NO CONNECTION

### CONNECTOR BLOCK DIAGRAM (SCREWS FACING UP)

1	2	3	4	5	6	7	8	9	10	11	12
NC A	NC B	COM A	COM B	NO A	NO B	X	X	X	X	X	X

When wiring is complete Plug in the power cube and attach the +24 VDC connector into the VLI771.

## OPERATION

The VLI771 monitors Horizontal synchronization pulses at its video input with a high impedance input. The pulses are rectified and controlled to produce a signal to activate a DUAL FORM C relay. A time delay is used to create hysteresis so that missing synchronization pulses will not cause switching chatter. The front panel VIDEO ON LED will be on when there is video at the input and off when the video is not present.

## MAINTENANCE

There is no adjustment or calibration required with the VLI771.