AMERICAN DYNAMICS

Video Loss or Video Presence Detection for 12 or 24 Video Channels.

Independent Channel Control

Each video channel is provided with an individual front panel on/off switch, sensitivity control, and two-color status LED plus a channel alert relay.

Video Loss or Presence Detection

Each block of 12 channels may be set to respond to either the loss of video or the presence of video.

Loss Detection can alert an operator to the loss of video or sync on a channel and enable timely corrective action to preserve system integrity.

Presence Detection can be used to activate and deactivate VCR's for alarm recording; activate system display panels; etc.

Manual or Automatic Reset

Each block of 12 channels may be set to either:
a) Lock in the alert status until manually reset by the operator thus enhancing the detection of momentary video/sync interruptions.
b) Automatically follow the status (presence/loss) of the video for on/off control.

Four Alert Actions

1. Audible tone alerts operator.
2. Channel status light indicates alerted channel.
3. Channel relay is activated.
4. Master relay for each block of 12 channels is activated when any channel in the block is alerted.

Video/Sync Detection

Video threshold (sensitivity) can be adjusted or set for sync-only detection.

Passive Looped Inputs

The looped-through video is unaffected when the unit is off or when channels are turned off or on. The independent channels may even be looped-through in series to identify loss of video only on a single channel.

Specifications

Video Inputs Passive looping:
AD1608/12 – 1 block of 12 channels. 60 Hz, 525 line.
AD1608/24 – 2 blocks of 12 channels. 60 Hz, 525 line.
AD1608/12X – 1 block of 12 channels. 50 Hz, 625 line.
AD1608/24X – 2 blocks of 12 channels. 50 Hz, 625 line.

Detection Modes:
Loss Mode – alerts when video or sync is lost.
Presence Mode – alerts when video or sync appears.

Alert Responses:
– Audible – tone alerts operator when any channel is
  alerted.
– Visual – Two-color LED for each channel changes color
  when channel is alerted. Shows channel status at all
  times.
    Loss Mode ––– Green when video is present.
             ––– Red when video is absent.
    Presence Mode – Green when video is absent.
             – Red when video is present.
– Channel Relay Closure – One, normally open, relay per
  channel. Contacts close when channel is alerted. Field
  convertible to normally closed contacts which open when
  channel is alerted.
– Block Relay Closure – One, normally open, relay per
  Block. Contacts close when any channel in Block is
  alerted.

Front Panel Controls:
– Channel On/Off – 1 toggle switch per channel.
– Sensitivity – 1 lockable screwdriver adjustment per
  channel, controls individual channel video sensitivity
  (threshold).
– Reset (Manual/Auto) – 1 toggle switch per block selects
  manual or automatic reset for all channels in that block.

Rear Panel Controls:
Setup (Loss/Presence) – 1 slide switch per block.

Rear Panel Connectors:
– Video In/Out (looping) – 2 BNC's per channel.
– Channel Relays – One, 24-pin Molex per block.
– Block Relays – One, 9-pin Moles per block.

Relay Contact Ratings:
Power – 10 VA max.
Voltage – 30 VDC or RMS max.
Current – 0.25 A DC or RMS max. (resistive load).

Power Input:
AD1608/12 – 120 V, 60 Hz. 10 watts.
AD1608/24 – 120 V, 60 Hz. 20 watts.
AD1608/12X – 220/240 V, 60 Hz. 10 watts.
AD1608/24X – 220/240 V, 60 Hz. 20 watts.

Power Connections:
AD1608/12 and /24 – pendant 3-wire cord and plug.
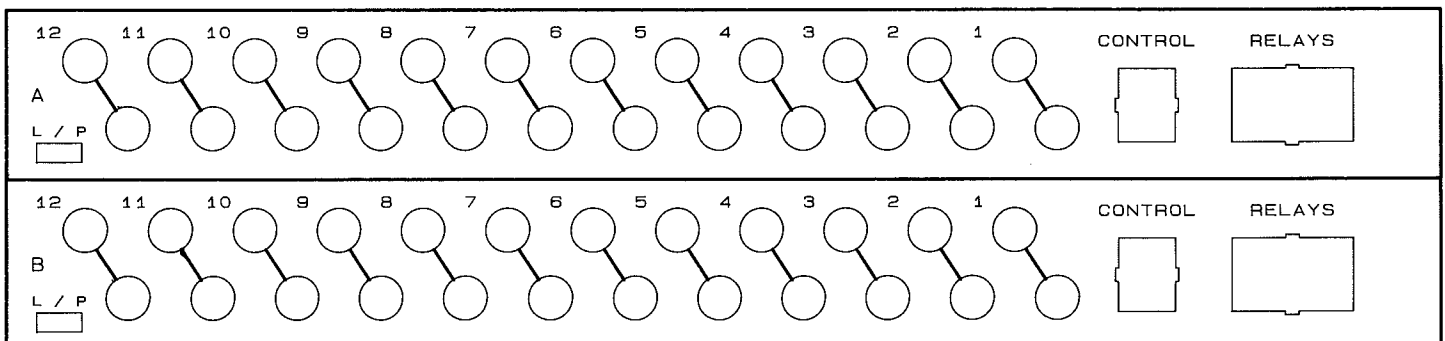AD1608/12X and 24X – pendant 3-wire cord and Europlug.

Mounting Surface or Rack Mount. Specify AD1608/12R,
/24R, /12RX, or /24RX for rack mount.

Size:
Surface Mount – 3.5″ H x 12.5″ D x 16.9″ W
               (89 x 356 x 430 mm).
19″ Rack Mount – 3.5″ H x 12.5″ D (89 x 356 mm).

Weight:
AD1608/12, AD1608/12X – 15 lbs. (6.8 kg) approx.
AD1608/24, AD1608/24X – 17 lbs. (7.7 kg) approx.

BACK PANEL