AMERICAN DYNAMICS

AD2031 and AD2033 Series
FOLLOWER ACCESSORIES

The AD2031 Series Switcher/Followers interface with American Dynamics Matrix Switcher/Controller systems to provide switching of external circuits synchronized with the switching of video inputs to video outputs. The switcher/follower provides two groups of sixteen addressable Form C relays which may be set to follow video switches for one or two specific video outputs. Associated inputs may be switched either manually (in response to keyboard commands) or automatically (upon receipt of an alarm signal). Relays can activate audio circuits, graphic display panels or lighting controls. Multiple units can be cascaded to provide additional relay closures. Video output number and video input groups are selected via rear panel DIP switches. The universal mount enables mounting to the front or rear of equipment racks, or flat on a wall or horizontal surface.

The AD2033 Series Auxiliary Followers interface with American Dynamics Matrix Switcher/Controller Systems to provide switching of external circuits synchronized with the switching of auxiliary contacts that are associated with individual video inputs. The Auxiliary Follower provides two groups of sixteen addressable Form C relays which may be set to follow one of three possible auxiliary actions for each video input. Auxiliary actions may be controlled either manually (through the keyboard) or automatically (upon receipt of an alarm signal). Relays can be used to activate auxiliaries, such as auxiliary lighting and graphic display panels, and they can be tied in to coordinate with an alarm call-up. Multiple units can be cascaded to provide additional relay closures for additional cameras. The universal rack mount enables mounting to the front or rear of equipment racks, or flat on a wall or horizontal surface.

FEATURES

AD2031 Series
Switcher/Follower

- Switches external circuits in synchronization with a video input-to-output switch

- 32 addressable Form-C relays

- Multiple units can be cascaded to provide additional outputs

- Diagnostic LEDs

- Universal wall, surface or rack mount

AD2033 Series
Auxiliary Follower

- Activates relays in response to a specific auxiliary command (aux 1, 2 or 3) for a group of video inputs

- 32 addressable Form-C relays

- Multiple units can be cascaded to provide additional outputs

- Diagnostic LEDs

- Universal wall, surface or rack mount

SPECIFICATIONS

Model Numbers

AD2031 . . . . .Switcher/Follower, 120 VAC, 50/60 Hz
AD2031-1 . . . . .Switcher/Follower, 230 VAC, 50/60 Hz
AD2033 . . . . .Auxiliary Follower, 120 VAC, 50/60 Hz
AD2033-1 . . . . .Auxiliary Follower, 230 VAC, 50/60 Hz

Operational

Relay Outputs . . . . .32 Form-C relays, 2 groups of 16 outputs
Address Range
   AD2031, AD2031-1 . . . . .2 groups of 16 relays, each group
      individually set for a specific video output
      (1 to 128) and contiguous block of 16
      video inputs, address range 1 to 1024
   AD2033, AD2033-1 . . . . .2 groups of 16 relays representing video
      inputs addressable as one of three possible
      auxiliary contacts
LEDs . . . . .Power and data
Matrix Switcher . . . . .AD High Speed Data Line and/or
      Manchester Code connection (See Matrix
      Switcher data sheet for details)

Connectors

AD High Speed Data Line . . . . .BNC, in/out
AD Manchester Code . . . . .One 12-pin removable screw terminal
Alarm Output . . . . .Eight 12-pin removable screw terminals

Electrical

Supply Voltage
   AD2031, AD2033 . . . . .120 VAC, 50/60 Hz
   AD2031-1, AD2033-1 . . . . . . .230 VAC, 50/60 Hz
Power Consumption . . . . .8 watts (nominal)

Mechanical

Dimensions (H x W x D) . . . . . . .89 x 483 x 203 mm
      (3.5 x 19 x 8 in)
Mounting .Universal wall, surface and rack
      (19-inch EIA)
Unit Weight . . . . .3.2 kg (7 lbs)
Shipping Weight . . . . .4.5 kg (10.1 lbs)

Environmental

Operating Temperature . . . . .0° to 40° C (32° to 104° F)
Storage Temperature . . . .-40° to 70° C (-40° to 155° F)
Humidity .98% RH (non-condensing)

Regulatory

Emissions .EN55022 Class B conducted
Immunity .EN50130-4
Safety UL2044

Compatible Matrix Switcher/Controller Systems

MegaPower 1024 Series
MegaPower 168 Series
MegaPower 48 Series
AD2150 Series

Basic System Diagram

SPEAKER & MICROPHONE OR OTHER AUXILIARY EQUIPMENT ACTIVATED BY AD2031 RESPONDING TO CAMERA CALLUP TO MONITOR

GRAPHIC DISPLAY PANEL OR OTHER AUXILIARY EQUIPMENT ACTIVATED BY AD2033 RESPONDING TO AUXILIARY COMMAND