



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.

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

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.

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

