



AD2083-02B

RS-422 CODE DISTRIBUTOR



FEATURES

- Cost-effective RS-422 distribution
- Sixteen RS-422 connections
- Daisy chain of up to ten domes per connection
- Provides pan, tilt, and zoom control for SpeedDome Ultra and SpeedDome Optima Series domes
- Quick-connect screw terminals for all cable connections
- Universal wall, rack, and surface mounting
- Diagnostic LEDs
- Interfaces to both American Dynamics High Speed Data Line and Manchester code-based systems
- Relays alarms from domes/receivers to American Dynamics Matrix Switchers
- Form C relay output

The AD2083-02B Series provides economical distribution of American Dynamics RS-422 code to the SpeedDome® Ultra and SpeedDome Optima Series domes.

Using the AD2083-02B Code Distributor, multiple dome sites can be driven from the powerful family of American Dynamics Matrix Switcher/Controller Systems.

The AD2083-02B outputs code for pan, tilt, focus, iris, zoom, preset and pattern control. It can also receive alarm information from SpeedDome Ultra Series domes and relay it to an American Dynamics Matrix System. In addition, an alarm from any of the domes activates a Form C relay.

Quick-connect screw terminals and diagnostic LEDs facilitate efficient installation and service. The universal mount enables mounting to the front or rear of equipment racks, or flat on a wall or horizontal surface.

SPECIFICATIONS

Model Numbers

AD2083-02B	120 VAC, 50/60 Hz
AD2083-02B-1	230 VAC, 50/60 Hz

Operational

Dome Outputs	16 RS-422 total, four groups of four connectors
Address Range	11 blocks of 99 for maximum 1024
Targets (Presets)	Stores up to 16 presets per suitably-equipped SpeedDome Ultra or SpeedDome Optima Series domes
Dome Alarms	Up to four (on suitably-equipped domes transmitted over dome data cabling)
Alarm Output	RS-232 RJ-45 direct connection to system CPU
Alarm Indication	LED and Form-C relay outputs
LEDs	Power, alarm and code
Matrix Switcher	American Dynamics High Speed Data Line and/or Manchester code connection

Connectors

High Speed Data Line	BNC, in/out
Manchester Code	One 12-pin removable screw terminal
RS-232	RJ-45 in/out, cascable
RS-422	Eight 12-pin removable screw terminals

Electrical

Supply Voltage	
AD2083-02B	120 VAC, 50/60 Hz
AD2083-02B-1	230 VAC, 50/60 Hz
Power Consumption	8.0 watts (nominal)

Mechanical

Dimensions (H x W x D)	.89 x 483 x 203 mm (3.5 x 19 x 8 in)
Unit Weight	3.2 kg (7 lbs)
Shipping Weight	4.1 kg (9.1 lbs)
Color	Black
Mounting	Universal wall, surface, and rack (19-inch EIA)

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	FCC Part 15, Subpart B Class A CE: EN55022 Class B
Immunity	CE: EN50082-1
Safety	UL2044 cUL: CSA C22.2 No. 1-94 CE: EN60950

Dome Compatibility

SpeedDome Ultra Series
SpeedDome Optima Series

AD2083-02B Rear Panel

