



AD2083-02C

AMERICAN DYNAMICS RS-422 DISTRIBUTOR

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

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

The AD2083-02C outputs commands 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.

Supports presets stored in the dome and simplex RS-422 for the Speed Dome Optima LT or situations where the data return line is not available such as fiber optics or microwave links.



FEATURES

- Improved legacy RS-422 domes support, including simplex RS-422
- 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, SpeedDome Optima, SpeedDome Optima LT 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

SPECIFICATIONS

Model Numbers

AD2083-02C120 VAC, 50/60 Hz
 AD2083-02C-1230 VAC, 50/60 Hz

Operational

Dome Outputs16 RS-422 total, four groups of four connectors
 Address Range11 blocks of 99 for maximum 1024 Targets (Presets)Stores up to 16 presets per suitably-equipped SpeedDome Ultra or SpeedDome Optima Series domes
 Dome AlarmsUp to four (on suitably-equipped domes transmitted over dome data cabling)
 Alarm OutputRS-232 RJ-45 direct connection to system CPU
 Alarm IndicationLED and Form-C relay outputs
 LEDsPower, alarm and code
 Matrix SwitcherAmerican Dynamics High Speed Data Line and/or Manchester code connection

Connectors

High Speed Data LineBNC, in/out
 Manchester CodeOne 12-pin removable screw terminal
 RS-232RJ-45 in/out, cascable
 RS-422Eight 12-pin removable screw terminals

Electrical

Supply Voltage
 AD2083-02C120 VAC, 50/60 Hz
 AD2083-02C-1230 VAC, 50/60 Hz
 Power Consumption8.0 watts (nominal)

Mechanical

Dimensions (H x W x D)89 x 483 x 203 mm (3.5 x 19.0 x 8.0 in)
 Unit Weight3.2 kg (7 lbs)
 Shipping Weight4.1 kg (9.1 lbs)
 ColorBlack
 MountingUniversal wall, surface and rack (19-inch EIA)

Environmental

Operating Temperature0° to 40° C (32° to 104° F)
 Storage Temperature-40° to 70° C (-40° to 155° F)
 Humidity98% RH (noncondensing)

Regulatory

EmissionsFCC Part 15, Subpart B Class A
 CE: EN55022 Class B
 ImmunityCE: EN50082-1
 SafetyUL2044
 cUL: CSA C22.2 No. 1-94
 CE: EN60950

Dome Compatibility

SpeedDome Ultra Series
 SpeedDome Optima Series

AD2083-02C Rear Panel

