AD2091

Manchester Distributor Accessory

Features That Make a Difference:

- Manchester Control Code Generator/Distributor
- 64 Manchester outputs in four groups of 16
- One RS-232 output
- Can be used as a code combiner
- Diagnostic LEDs
- Universal wall, surface, and rack mount
- Quick-connect screw terminals for all cable connections

The AD2091 series Manchester Control Code Generator/Distributor provides economical distribution of American Dynamics® Manchester code to SpeedDome Ultra Series Programmable Domes, SpeedDome Optima Series Domes and compatible receiver/drivers. AD2091 interfaces with MegaPower 168, 1024, and 3200 matrix switchers/controllers via the American Dynamics data lines. AD2091 provides up to 64 independent, buffered American Dynamics Manchester control code outputs in four groups of 16.

Each group is capable of controlling separate blocks of 64 camera sites. Multiple units can be cascaded to provide control for up to 1024 camera sites. Each output will drive up to 5000 ft. of cable. A single RS-232 output, with selectable baud rates, may be used for transmitting code over suitably equipped devices. AD2091 can also be used to combine control code from two different matrix systems. The unit can be mounted in a rack or on a wall surface.

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AD2091 Series

Model Numbers

AD2091 . . . . Manchester Control Code Generator/Distributor, 120 VAC

AD2091-1 . . . . Manchester Control Code Generator/Distributor, 230 VAC

Operational

Dome/Receiver Outputs . . . . . . 64 Manchester outputs, four groups of 16 outputs

Address Range. . . . . One to 1024 in blocks of 64 per group

LEDs . . . . Three (power, HSDL 1 and 2)

Connectors

High Speed Data Line. . . . . BNC, in and out (HSDL 1)
BNC, in and out (HSDL 2)

RS-232. . . . . RJ-45

Manchester Control Code. . . . . Sixteen 12-pin removable screw terminal

Electrical

Supply Voltage
   AD2091 . . . . 120 VAC, 50/60 Hz
   AD2091-1. . . . . 230 VAC, 50/60 Hz

Power Consumption. . . . . Eight watts nominal

Mechanical

Dimensions (H x W x D) . . . . . . 89 x 432 x 203 mm; (3.5 x 17.0 x 8.0 in)

Unit Weight. . . . . 3.2 kg (7.0 lbs)

Shipping Weight . . . . 4.1 kg (9.0 lbs)

Mounting . . . . Universal wall, surface, and rack (19-inch EIA)

Environmental

Operating Temperature. . . . . . . 0° to 40°C (32° to 104°F)

Humidity. . . . . 98% RH (noncondensing)

Storage Temperature . . . . -40° to 70°C (-40° to 155°F)

Regulatory

Emissions . . . . FCC Part 15, Subpart B, Class A
CE: EN55022 Class B

Immunity . . . . CE: EN50082-1

Safety. UL2044
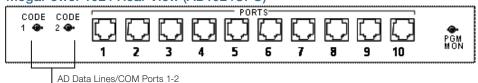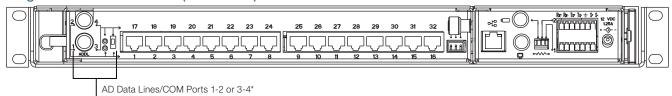cUL: CSA C22.2 No. 1-94
CE: EN60950

AD2091 can be used to expand an existing MegaPower 168, MegaPower 1024, and MegaPower CPU.

MegaPower 1024 Rear View (AD1024CPU)

AD Data Lines/COM Ports 1-2

MegaPower CPU Rear View (ADMPCPU)

AD Data Lines/COM Ports 1-2 or 3-4*

* Control data is sent via these two BNC connectors to switching bays, code generation devices, and accessories that are part of the matrix switching system. The number of monitors, cameras, and camera PTZ functions controlled as is follows:

Data Line	Monitors	Cameras	Camera PTZ
1	1-64	1-3200	1-1024
2	65-128	1-3200	1025-2048
3	129-192	1-3200	2049-3072
4	193-256	1-3200	3073-3200