AMERICAN DYNAMICS™

AD1691 & AD2091 Series

MANCHESTER DISTRIBUTOR ACCESSORIES

AD1691

AD2091

The AD2091 Series Manchester Control Code Generator/Distributor provides economical distribution of AD Manchester code to SpeedDome® Ultra Series Domes, SpeedDome Optima Series Domes and compatible receiver/drivers. The AD2091 interfaces with the MegaPower™ 1024 or 168 via high speed data line. The AD2091 provides up to 64 independent buffered AD 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. Alternatively. A single RS-232 output, with selectable baud rates may be used for transmitting code over suitably equipped devices. The 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.

The AD1691 Series Manchester Control Code Distributor provides economical distribution of AD Manchester code to SpeedDome Ultra Series Domes, SpeedDome Optima Series Domes and compatible receiver/drivers. The AD1691 interfaces with the matrix systems and other accessories via a single Manchester input. The AD1691 provides up to 64 independent buffered AD Manchester Control Code outputs. The unit can be mounted on a wall surface. The AD1691 provides a simple solution for receiving a single Manchester connection from a remote location and then distributing it through a facility.

FEATURES

AD2091 Series 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 or rack mount
- Quick-connect screw terminals for all cable connections

AD1691 Manchester

- Control Code Distributor
- 64 Manchester outputs
- Ideal for distributing Manchester code
- Surface mount design

SPECIFICATIONS

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, 4 groups of 16 outputs
Address Range . . . . . .1 to 1024 in blocks of 64 per group
LEDs . . . . . .3 (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 . . . . . .8 Watts nominal

Mechanical

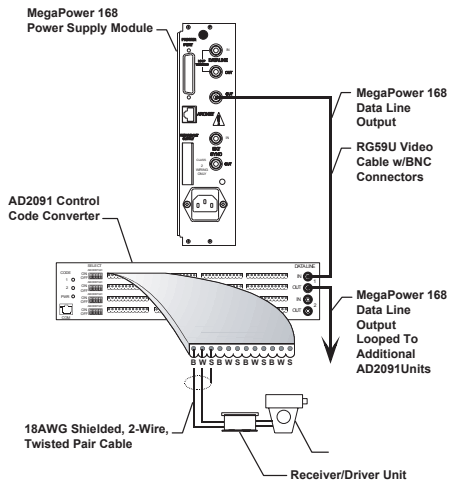
Dimensions (H x W x D) . . . . .89 x 432 x 203 mm (3.5 x 17.0 x 8.0 in)
Unit Weight . . . . . .3.2 kg (7.0 lbs)
Shipping Weight . . . . . .4.1 kg (9.0 lbs)
Mounting . . . . . .Universal wall, surface and rack (19-inch EIA)

Environmental

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



Typical AD2091 Connection

Model Numbers

AD1691 . . . . . .Manchester Control Code Distributor, 120 VAC
AD1691F-1 . . . . . .Manchester Control Code Distributor, 24 VAC

Operational

Dome/Receiver Outputs . . . . .64 Manchester outputs
Address Range . . . . . .1 to 1024 in blocks of 64
LEDs . . . . . .Three (power, HSDL 1 and 2)

Connectors

Inputs
Manchester Control
Code . . . . . .Six pin Euro style screw terminal connector
Outputs
Manchester Control
Code . . . . . .64 stake on connectors

Electrical

Supply Voltage
AD1691 . . . . . .120 VAC, 50/60 Hz
AD1691F-1 . . . . . .24 VAC, 50/60 Hz
Power Consumption . . . . . .Five watts, separate wall-type transformer provided

Mechanical

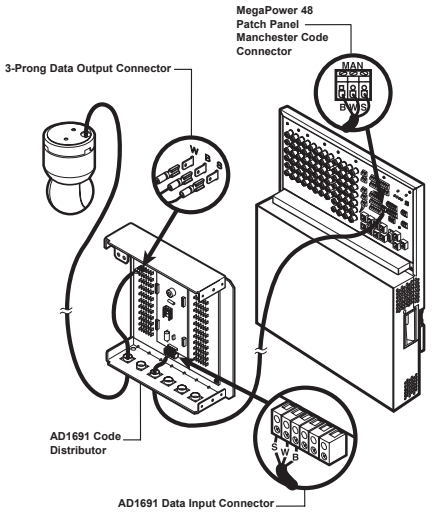
Dimensions (H x W x D) . . . . .305 x 356 x 102 mm (12.0 x 14.0 x 4.0 in)
Unit Weight . . . . . .4.5 kg (10.0 lbs)
Shipping Weight . . . . . .5.5 kg (12.1 lbs)
Mounting . . . . . .Surface mount

Environmental

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



Typical AD1691 Connection

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