



RJ860AP Series

TEN POSITION J-BOX (RS-422)



Actual product may vary from photo

The SpeedDome® Ultra/Optima ten-position J-Boxes provide Class 2 LPS power and data communications for up to ten SpeedDome Series programmable domes. Each J-Box receives data from the compatible controller and feeds that data to the dome.

The units contain diagnostic LEDs for RS-422 communication. Surge protection circuitry within the J-Box arrests unexpected voltage surges on exterior power and data lines to protect interior equipment. The J-Boxes can be surface-mounted to concrete, wood, or sheet rock with supplied hardware.

FEATURES

- Supports up to ten SpeedDome, SpeedDome Ultra and Optima domes
- Meets Class 2 LPS power requirements
- 120 VAC or 230 VAC input versions available
- Diagnostic LEDs mounted on PC board
- Front cover can be secured with a captive screw
- Surge protection
- Hardware or line cord power connection

AMERICAN DYNAMICS RJ860AP SERIES TEN POSITION J-BOXES

SPECIFICATIONS

Model Numbers

RJ860AP Indoor, ten-position RS-422 J-Box,
120 VAC
RJ860AP-1 Indoor, ten-position RS-422 J-Box,
230 VAC

Electrical

Input Voltage 120V or 230V, 50/60 Hz
Input Current 6.0 A
Max Operational Limits 90 to 132 VAC or 180 to 265 VAC, 50/60 Hz
Output Per Position 28 VAC, 2.0 A, Class 2 LPS
Surge Protection TVS, line conditioning

Operational

Diagnostic LEDs RS-422 communication

Mechanical

Environment Indoor
Wall Mounting Options Concrete, wood, sheet rock
Dimensions (H x W x D) 514 x 310 x 150 mm
(20.25 x 12.25 x 6 in)
Unit Weight 16.3 kg (36 lbs)
Shipping Weight 21.8 kg (48 lbs)
Construction Steel
Color Light gray
Cover Locks One captive screw
Cable Access Four knockouts provided for cable access

RS-422 Serial Communication Interface

Cable Distance
J-Box to J-Box 1 km (3000 ft)
Host to J-Box 1 km (3000 ft)
J-Box to Dome Limited by the length of the low-voltage
AC power cable
Maximum Loads 10 daisy-chained
Cable Type Two shielded twisted pair (STP), 22 AWG,
polarized
Surge Protection TVS, 6.2 V, 1 W, .73 A
Connectors
Host Spring-loaded
Aux Spring-loaded
Dome Cinch Jones

Environmental

Operating Temperature -10° to 50° C (14° to 122° F)
Storage Temperature -40° to 70° C (-40° to 158° F)
Relative Humidity 0 to 95% RH (non-condensing)

Regulatory

Emissions FCC: 47 CFR, Part 15,
Subpart B Class A
CE: EN55022, Class B
CE: EN6100-3-2
CE: EN6100-3-3
AS/NZS 3548, Class A
CISPR22
ICES-003
Immunity CE: EN50130-4
Safety UL: UL1950
cUL: CSA 22.2, No. 950
CE: EN60950
IEC950

Compatibilities

SpeedDome Ultra Series Dome
SpeedDome Optima Series Dome