



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

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	.60 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
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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