



## 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	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