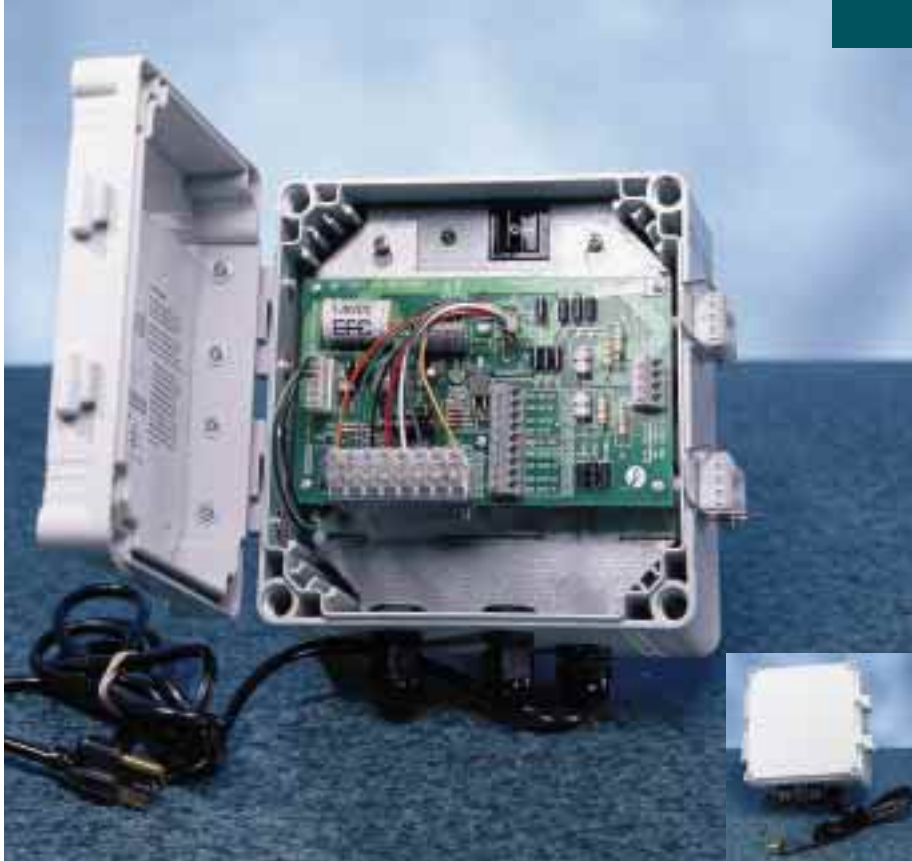


DELTA DOME™ SINGLE POSITION J-BOXES (RS422 AND SENSORNET)

RJ15NUD AND RJ856UD SERIES



These weather-tight, single-position J-Boxes provide Class 2 LPS power and data communications for one DeltaDome programmable dome or one dome and DeltaDome outdoor dome housing. Each J-Box contains a single input—either SensorNet or RS422—that receives data from the compatible controller and feeds that data to the dome.

The J-Boxes meet the Class 2 power requirements of the DeltaDome outdoor housings, and are IP66/ NEMA 4 rated for protection against moisture, dust, ice, wind, and insects.

The hinged front cover can be secured with captive screws, and contains two quick-release cover latches that can be locked for further security. The inside of the enclosure's cover contains a wiring diagram, quick installation instructions, and test procedures specific to that J-Box.

The units contain an on/off power switch as well as diagnostic LEDs for host, aux, dome activity, noise, and power. 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. They can also be mounted to a ceiling or to a pole with user-supplied hardware.

FEATURES

- RS422 or SensorNet versions available
- Versions available with either North American or Continental European line cord factory-installed
- Meets Class 2 power requirements
- Indoor or outdoor
- NEMA 4 / IP66 environmental protection rating
- Can be configured for either 120 VAC or 230 VAC input
- Can be conduit connected (standard 1/2-inch NPT knockouts with fitting supplied)
- Supports DeltaDome programmable domes and DeltaDome outdoor housings
- Wiring diagram, installation guide, and test procedures on inside cover of J-Box enclosure
- Diagnostic LEDs
- Quick-release lockable cover latches
- Surge protection

J-Box simplifies dome installation while adding surge protection for internal equipment

SPECIFICATIONS

Product Codes

RJ1SNUD	SensorNet, set at 120 V with North American line cord
RJ1SNUD-1	SensorNet, set at 230 V with Continental European line cord
RJ856UD	RS422, set at 120 V with North American line cord
RJ856UD-1	RS422, set at 230 V with Continental European line cord

Transformer primary jumpers and mains line cord are field changeable to support either 120 VAC or 230 VAC.

Electrical

Input Voltage	100 – 120 VAC or 200 – 240 VAC, 50/60 Hz
Input Current	1.0 A / 0.5 A
Max Operational Limits	90 – 135 VAC or 180 – 265 VAC, 50/60 Hz
Output	26 VAC, 2.4 A max, Class 2 LPS
Power Line Protection	Gas discharge tube impulse rated at 8/20 μ s impulse discharge current: 10 kA

Operational

Diagnostic LEDs	
SensorNet	Host, Aux, Dome Activity, Noise, Power
RS422	Push-button controlled data in / data out
Power	On/Off power switch

Wiring diagram, installation guide, test procedures all included on inside cover of J-Box.

Mechanical

Environment	Indoor / Outdoor
Wall Mounting Options	Concrete, wood, sheet rock
Dimensions (H x W x D)	200 x 200 x 132 mm (7.87 x 7.87 x 5.19 in)
Weight	3.7 Kg (8.25 lbs)
Construction	Polycarbonate, nonmetallic enclosure
Color	Light gray
Cover Locks	Two quick-release lockable cover latches
Cable Access	Three 1/2-inch NPT strain relief fittings provided for power, host and dome cables

RS422 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 impulse rated at 1500 watts, 100 A, 10/1000 μ s
Connectors	
Host	Spring-loaded
Aux	Spring-loaded
Dome	Eurostyle terminal

SensorNet 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	32 / node
Cable Type	Single unshielded twisted pair (UTP), 22 AWG, non-polarized
Surge Protection	Isolation transformer coupled, 2000 Vrms, gas discharge tube impulse rated at 10 kA, 8/20 μ s, TVS rated at 1 watt
Host, Aux and Dome Connectors	Pluggable Eurostyle

Environmental

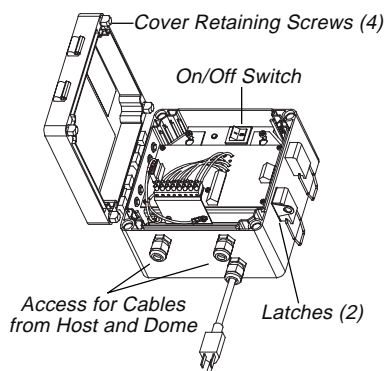
Weatherproof Standard	NEMA 4 / IP66
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Relative Humidity	0 to 95% (non-condensing)
Storage Temperature	-10°C to 50°C (14°F to 122°F)

Regulatory

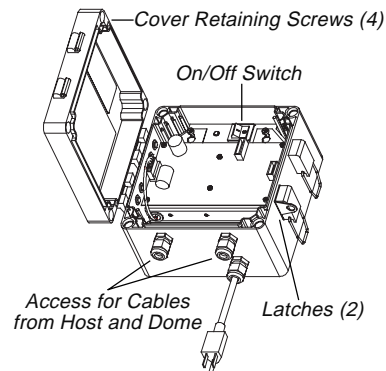
EMC	FCC: 47 CFR, Part 15, Class A CE: EN55022, Class B CE: EN50082-1
Immunity	UL: UL1950
Safety	cUL: CSA 22.2, No. 950 CE: EN60950 TUV: GS

Compatibilities

DeltaDome Series Domes
DeltaDome Series Outdoor Housing



RS422 Single-Position J-Box



SensorNet Single-Position J-Box



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Visit our web site at <http://www.sensormatic.com>

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