



RJ6SN

SIX-POSITION SENSORNET J-BOX



FEATURES

- Supports up to six SpeedDome, SpeedDome Ultra and Optima domes
- Meets Class 2 LPS power requirements
- Can be configured for either 120 VAC or 230 VAC input
- Hardwire or line card power latch
- Diagnostic LEDs
- Quick-release lockable cover latch
- Surge protection
- On/off switch for field servicing

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

The hinged front cover can be secured with the quick-release cover latch that can be locked for further security.

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.

SPECIFICATIONS

Model Number

RJ6SNSix-position SensorNet J-Box,
120 VAC/230 VAC

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

Electrical

Input Voltage100 to 120 VAC or 200 to 240 VAC,
50/60 Hz
Input Current1.6 A/0.8 A
Max Operational Limits90 to 135 VAC or 180 to 265 VAC,
50/60 Hz
Output28 VAC, 5 A max, Class 2 LPS
Power LineTVS rated at 10 kA, 8/20 µsec impulse
rated gas tube

Operational

Diagnostic LEDs
SensorNetHost, aux, dome activity, noise, power
PowerOn/off power switch

Mechanical

EnvironmentIndoor
Wall Mounting OptionsConcrete, wood, sheet rock
Dimensions (H x W x D)320 x 210 x 160 mm
(12.60 x 8.27 x 6.30 in)
Unit Weight8.5 kg (18.7 lbs)
Shipping Weight10.9 kg (24 lbs)
ConstructionGalvanized steel
ColorLight gray
Cover LocksOne quick-release lockable cover latch
Cable AccessThree knockouts provided for cable access

SensorNet Serial Communication Interface

Cable Distance
J-Box to J-Box1 km (3000 ft)
Host to J-Box1 km (3000 ft)
J-Box to DomeLimited by the length of the low-voltage
AC power cable
Maximum Loads32/node
Cable TypeSingle unshielded twisted pair (UTP),
22 AWG, non-polarized
Surge ProtectionIsolation transformer coupled, 2000 Vrms,
10 kA, 8/20 µsec impulse rated gas tubes,
TVS rated at 1 watt
Host, Aux and
Dome ConnectorsEurostyle plug

Environmental

Operating Temperature0° to 50° C (32° to 122° F)
Storage Temperature-40° to 70° C (-40° to 158° F)
Relative Humidity0 to 95% RH (non-condensing)

Regulatory

EmissionsFCC: 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
ImmunityCE: EN50130-4
SafetyUL: UL1950
cUL: CSA 22.2, No. 950
CE: EN60950
IEC950

Compatibilities

SpeedDome Ultra Series Dome
SpeedDome Optima Series Dome