

DTK-VSPN

Coaxial RF Surge Protector for Wireless Communicators



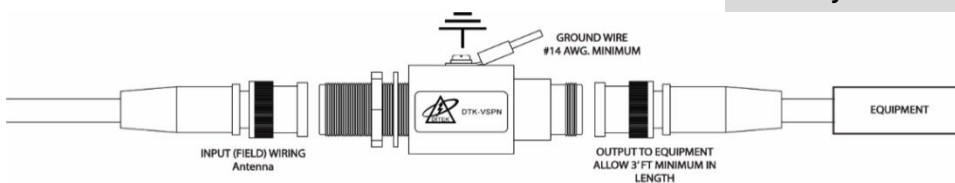
Product Features

- Protects external antenna leads to cellular transmitters, BDA, DAS, GPS or base stations
- Tightest clamping available provides superior protection
- Grounding lug for easy termination
- 0Hz – 5GHz frequency range
- Small footprint makes installation easy

Applications

- GSM Antenna Extenders & Base Stations
- Bi-Directional Amplifiers (BDA)
- Distributed Antenna Systems (DAS)

Wiring Diagram



Every precaution has been taken to ensure that this literature is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.

Wireless communicators are becoming widely used in the fire alarm industry. Many installations require an external antenna kit to attain an acceptable wireless signal strength. Bi-directional amplifiers (BDS) and distributed antenna systems may also be installed to boost two-way radio communications and wireless service throughout a facility, especially where “dead zones” are present. Since antennas are external to the building, they become an avenue for damaging transient surges to enter the system through the coaxial antenna cable.

DITEK's DTK-VSPN surge protector combines state-of-the-art circuit technology with N type connectors to protect a variety of coaxial devices

Technical Specifications

MCOV:	50VDC
Clamping Voltage:	230V (CP-S)
Protection Modes:	Center Pin-Shield
Surge Current Rating:	10,000 Amps
Band Pass Range:	0Hz – 5GHz
Standing Wave Ratio:	1.8:1 @ 4.75GHz
Insertion Loss:	<1.93dB @ 4.75GHz
Impedance:	50 Ohms

Mechanical Characteristics

Connection Method:	Female Type N Connector In/Out
Housing:	Nickel Plated Brass
Dimensions:	2.55"Lx 1.00"W x 1.00"H (65mm x 25mm x 25mm)
Weight:	4.0oz (71g)

Quality, Standards & Approval

Standards Compliance:	IEC60169-4, IEC61643-21
Warranty:	Ten Year Limited Warranty

