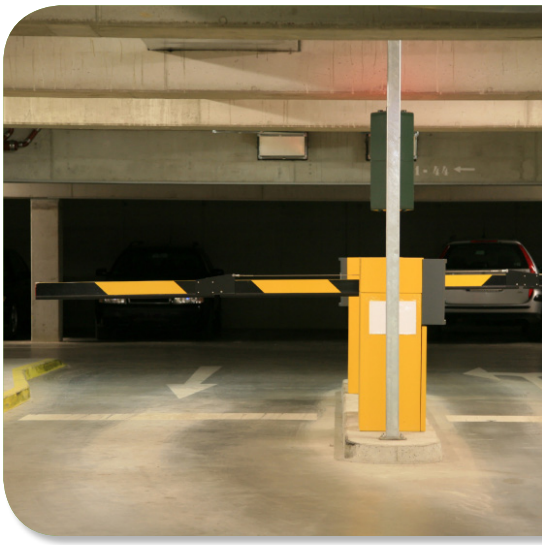
Reliable Parking Lot Security

Industry: Facility Management
Product: Surge Protection



- **The Challenge**

A B&B customer manufactures security gate systems that are used by hotel chains, airports, and commercial parking facilities. An electronic controller operates the gates and allows for remote monitoring. The controllers are connected to the master control room via RS-485 connections. In some cases, the system is IP addressed and sent to a SCADA system for worldwide monitoring.

Unfortunately, RS-485 communications are very susceptible to lighting surges, and the connections for gate systems can run for hundreds of feet across open space. The system was very vulnerable, but downtime was not acceptable.

- **The Solution**

The answer was B&B's HESP4DR, with heavy duty, three-stage surge protection. The HESP4DR uses a gas discharge tube, a series resistor, and a transient voltage suppressor (TVS) for each supported data line. This meets the IEEE 1000-4-4: 1995 and IEEE C62.41-1991 recognized standards for high quality surge protection.

- **Why B&B Electronics?**

At B&B Electronics, technical support is always free. Sometimes, a simple phone call or email is sufficient; other times, a site visit is needed. Our engineering resources are available to answer questions and develop solutions wherever our customers are located. HESP4DR was a solid solution at a great price. Because B&B Electronics manufactures in the US, the product was in-stock and available for immediate delivery.

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- **The Product**

Model HESP4DR – Surge Protectors

- #10 grounding screw provides a solid earth ground connection
- Heavy duty design
- Five RS-422/485 signals supported on terminal blocks with clamping voltage of 6.8 Volts
- Meets IEEE 1000-4-5:1995 and IEEE C62.41-1991 recognized standards
- Panel mount adapter available
- Five Year Warranty
- In-Stock

Model HESP4DR