

## PERIMETER SECURITY

# PerimeterMAX™

Maximum Security Perimeter Protection

### APPLICATION:

**PerimeterMAX™**, the durable and low-maintenance lethal electrified fence system that ensures maximum perimeter security utilizing 5100 volts of electrical power. This physical and psychological deterrence reduces the need for manned towers on the perimeter. Alarms, system design and entry/exit procedures ensure the safety of facility personnel and maintenance workers. No escapes or deaths have occurred with the **PerimeterMAX™** system since the first installation in 1995.

### FUNCTION:

#### ALARMS -

Alarms are communicated to the PLC system for conditions such as intrusion, loss of voltage due to cut wires, or shorted wires. Officers are automatically alerted of alarms by a voice paging system. The computer provides real time status and maintains and reports a log of system events. The exclusive Interlock Panel technology used in each Zone energizes and de-energizes the fence using redundant protocol for safe access in and out of the electrified fence area.

### SAFETY:

Access to secured areas is restricted to perimeter sallyports, where vehicles and pedestrians can safely pass into and out of the facility. A glass barrier is installed at the end of each zone bordering the sallyport to protect against accidental contact with the fence.

Upon commissioning, a complete test of the safety interlock system, for the gates and grounding, is conducted by an independent testing company to



guarantee safe operation. All alarms are tested individually and confirmed. A thorough training and testing program is provided for facility staff to assure safe operation, even under the most stressful conditions.

### ZONE DESIGN:

**PerimeterMAX™** configures an electrified fence installed and isolated for safety between two standard fences. Zone Control is customized to each facility's perimeter, and easily designed to match existing configurations. Each Zone contains a control cabinet, which generates the

required system voltage and constantly monitors electrical current to prevent false alarms, a common problem with many other perimeter fence systems.

The **PerimeterMAX™** system is reliable with low maintenance and little down time, typically 4-5 days per year for preventive maintenance and safety checks. Operational costs are kept at a minimum for electricity required to power the system – no more than it takes to operate a household television and hair dryer. Replacement parts are non-proprietary and can be purchased from local sources, saving maintenance dollars.

**Southern  
Folger**