



Basic 20 Zone Perimeter Fence Protection Security System with Two Microwave Zones (5000-foot Perimeter)

P/N PPS-18/2SEC1000.1

10-Zone Starter 5000 Perimeter Fence Protection System

Eighteen (18) Zones, double-run ruggedized Transducer Sensor Cable, two (2) microwave zones at rear Vehicle Sallyport, Head-end 20 Zone Monitor and Control, External Printer, Battery Backup and Control Unit housed in Government Furnished Equipment (GFE) Rack. Fence Transponders installed in 20 inch by 20 inch x 8 inch Nema with 12 enclosures on 4 inch posts on fence perimeter. Includes grounding rods, fence clamps, power and data wiring, and conduit.

Engineering, installation services, onsite training and travel are included.

The outdoor security business has been simplified. The advanced Perimeter Fence Protection Security System approaches the outdoor environment differently. Now, there are no more complex electronics hanging on cold, wet, and windblown fences and no more complicated multiplex addresses. No more juggling with advanced instruments, while you try to decide about the bandwidth, count, gain, and time. The Perimeter Fence Protection Security System is the simple solution to outdoor security. It allows you to do remarkable things from the comfort of an indoor control center, not in the middle of a driving rainstorm or in the teeth of a blizzard. The Perimeter Fence Protection Security System uses highly advanced global signal processing to learn the characteristics of your site and exterior disturbances. The system employs that information to reduce nuisance alarms. Each zone processor has an adjustment for the sensitivity of that particular zone. The Contractor shall provide equipment, parts, conduit, wire, and labor to install a Perimeter Fence Protection Security System.

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The system will consist of the following:

1. Eighteen (18) fence zones and two (2) microwave zones. A double run of electret transducer cable will be installed around the entire fence perimeter to include the rear sallyport, sallyport wing fences, and 20 linear feet of buffer fences that intersect the main perimeter. The two microwave zones will be located at the rear sallyport and will protect both the interior and exterior sallyport slide gates of the sallyport.
2. Head-end equipment will consist of a rack mountable annunciator controller, external printer, battery backup, and a central controller. All head-end equipment will be housed in Government-furnished racks/shelves.
3. Dual fence zone transponders will be installed inside 20-inch by 20-inch by 8-inch NEMA 12 enclosures mounted on 4-inch posts around the perimeter.
4. The conduit system will consist of 1 ¼-inch rigid galvanized conduit and will be attached to the fence approximately 12 inches above grade. The conduit will attach to the fence posts by means of a 2-inch conduit hanger and a 1 ½-inch PVC bushing. The PVC bushing acts as an insulator between the conduit and the fence post to alleviate excessive noise caused by the expansion and contraction of the conduit. Expansion joints and pulling points will be installed.
5. Ground rods will be installed at each transponder and microwave location and at or near the location of the head-end equipment for grounding.
6. Onsite training for both operations and maintenance of the new system will be provided.

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