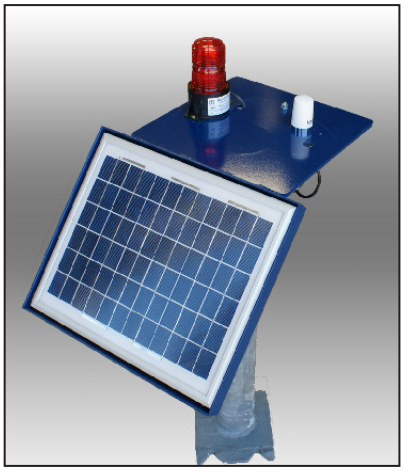
LPOE CROSS-BORDER ALARM

PRIAX CORPORATION



United States Land Ports-of-Entry (LPOE) Alarm Notification System

(Cross-Border Alarm System)

Introduction

The Land Ports-of-Entry (LPOE) Alarm Notification System provides alarm communications between officers on both sides of the U.S.-Mexico border. The alarm system provides additional time for the officers to react when there is an emergency situation. The first officer, on either side of the border, seeing an emergency will press the alarm button. The alarm is immediately communicated to all other alarm stations in the form of a loud siren and a flashing strobe light. Each alarm automatically continues for one minute (programmable) unless the officer presses the reset button.

Description

Each alarm station is self-contained with a wireless connection to other alarm stations. Up to 16 alarm stations are possible in each mesh network with all stations communicating the alarm information. Each alarm station includes a battery and a solar panel so no external power is needed. There are only two controls on each alarm station: an alarm button and a reset button.

- The alarm button is pressed to alarm that station and all the other stations in the network for one minute unless reset.
- The reset button is pressed to reset the alarm condition. The reset button is also used for system testing.

All labeling and instructions are furnished in the language of the country where installed. The drawing on page 3 shows the typical alarm station.

Communications

Network communications are provided by an encrypted spread spectrum high power radio system operating in the ISM radio frequency band, 902-928 MHz. Communications are full duplex meaning that the stations communicate back and forth to verify both alarm conditions and normal operations. Typical range is over 1 mile although the antenna configuration can be changed to extend range.

Power Supply

Power is provided by a sealed lead-acid battery with a solar panel to maintain battery charge. The conservative design will operate each alarm station for more than three weeks with no sunlight present.

Built-in Testing

A built-in testing system allows one side of the border system to test the system on the other side of the border without having to visit the station. Testing will separately test the local station and then the remote station by sending a test signal and analyzing the response. The response includes a test of the battery in the remote station. The test does not cause a system alarm.

Maintenance

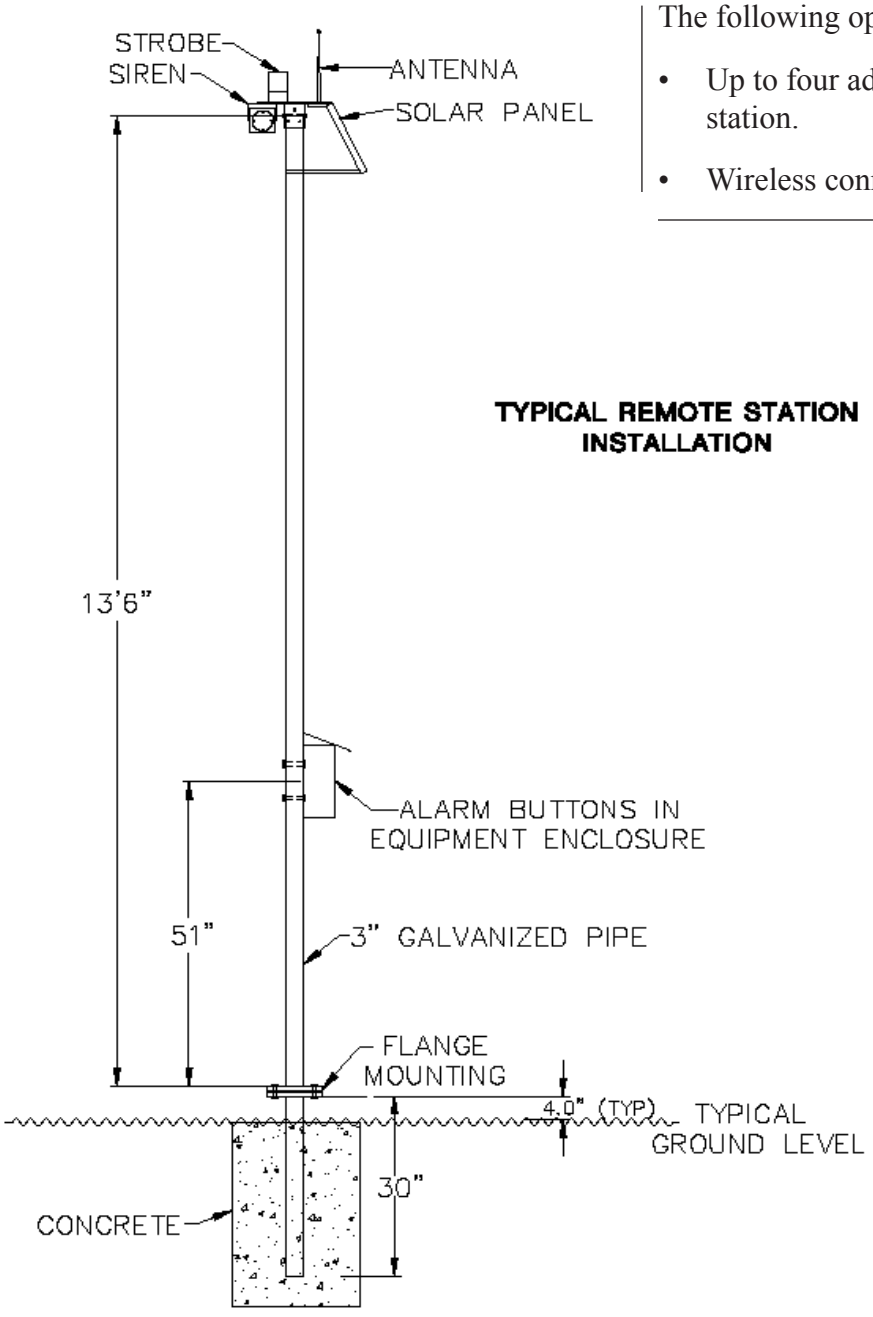
This system is self-contained and should need little yearly maintenance.

A service manual is provided with each unit. Service manuals are printed in both English and Spanish.

Options (Please contact us for details)

The following options are available:

- Up to four additional alarm functions at each station.
- Wireless connection to other alarm systems.



TYPICAL REMOTE STATION INSTALLATION

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