

AI-500-070 School Beacon Timer Switch and Cellular Modem

Overview

The AI-500-070 series provides a cost-effective, easy to integrate means of adding monitoring and control to School Beacons Flashers. It is designed for extreme temperature applications and has low power requirements, making it suitable for solar powered applications. The simple Integrated School Beacon Timer Switch and Cellular Modem can be retrofitted into existing School Beacon cabinets to upgrade the school beacons to the latest technology.

The unit provides an easy way to monitor the school beacons status and health such as AC power, battery backup, monitor beacon current, cabinet door open, local override control and temperature.

The unit works in conjunction with the Glance Platform, providing an cloud-based School Beacon solution. Simply connect the unit to your school beacons to add monitoring and control to your equipment. The unit allows you to remotely configure schedules for the school beacons from the Glance cloud based software.

Features

- ✓ Low cost Internet connectivity solution
- ✓ Small form factor
- ✓ Low power consumption
- ✓ Compatible with Glance platform
- ✓ GPS enabled for self-locating
- ✓ Monitor beacon lamps current to determine when a beacon has failed
- ✓ Remotely change schedule to multiple devices
- ✓ Ability to control secondary school beacons upstream
- ✓ Email & text messages when faults are detected
- ✓ Integral battery back-up for power fail reporting
- ✓ Local manual override switch



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Hardware Specification



AI-500-070

Connectivity

| | |
|------------------------------|-------------|
| Cell Modem * | Yes |
| Ethernet Port (10/100Base-T) | Yes |
| RS-232 Port | Optional ** |

Industrial I/O

| | |
|-----------------|---|
| Analog Inputs | AC Power, Solar Batteries & Temperature |
| Digital Inputs | Beacon Status & Door Open Switch |
| Digital Outputs | 2 X Beacon Circuits |

Miscellaneous

| | |
|-----------------------|----------------------|
| Operating Systems | µC/OS-II |
| GPS | Yes |
| Operating Temperature | -40°C to 80°C |
| Humidity | 5-95% non-condensing |
| Dimensions | 8" x 5" x 2" |
| Input Voltage | 16-30v DC, 120V AC |
| Real Time Clock | Yes |
| Flash Disk | Yes |
| Battery Backed Memory | Yes |

Also suitable for...

| | |
|-----------------------|-----|
| Solar/battery powered | Yes |
| Lamp Monitoring | Yes |
| Scheduling | Yes |

* Specify carrier at time of order

** Custom configurations available for volume orders

