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 overide control and radar speed information.

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
- ✔ 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
- ✔ Remotely monitor radar speed of vehicles
- ✔ Email & text messages when faults are detected
- ✔ Integral battery back-up for power fail reporting
- ✔ Local manual overide switch
- ✔ Remote firmware updates available

SCHOOL
SPEED
LIMIT
25
WHEN
FLASHING

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Hardware Specification

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AI-500-070

Connectivity

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

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	-37°C to 74°C
Humidity	5-95% non-condensing
Dimensions	8" x 5" x 2"
Input Voltage	10-30v DC, 120V AC
Power Consumption DC	idle - 149mA avg; active - 212mA avg
Power Consumption AC	idle - 17mA avg; active - 24mA avg
Battery Backed Memory	Yes

Also suitable for…

Solar/battery powered	Yes
Lamp Monitoring	Yes
Scheduling	Yes

** Custom configurations available
   for volume orders

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