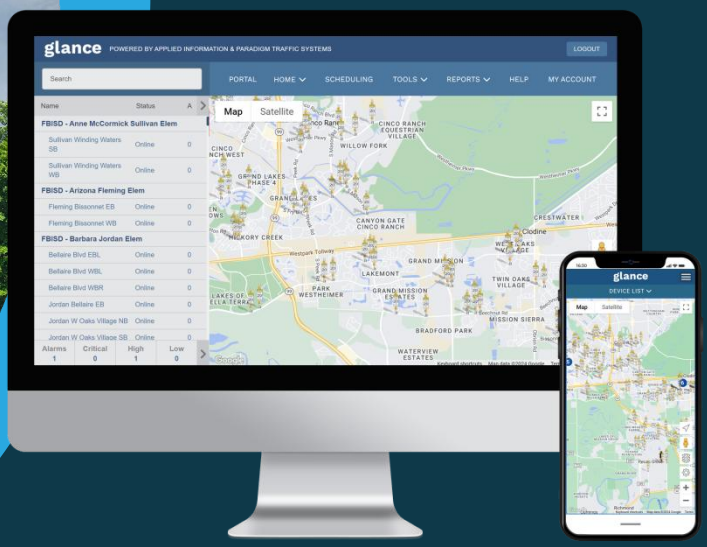


APPLIED® INFORMATION



AI-500-070

School Beacon Timer Switch and Cellular Modem

OVERVIEW

The AI-500-070 provides a cost-effective, easy-to-integrate means of adding remote monitoring and control to School Beacon Flashers. It is designed for extreme temperature applications and has low power requirements, making it suitable for solar powered applications. The simply integrated unit can be retrofitted into existing School Beacon cabinets to upgrade the school beacons with the latest technology.

The unit works in conjunction with the Glance® Platform, providing a cloud-based School Beacon solution. The unit adds remote monitoring and control to your school beacon equipment and allows remote configuration to schedule for the school beacons from the Glance cloud-based software. Glance provides an easy means of 24/7 monitoring of school beacon status and health, such as AC power, battery backup, cabinet door status, local override control, and radar speed information.

Equipped with a self-calibrating knockdown detection device, the AI-500-070 can detect when a pole has been knocked down. Additionally, as soon as a problem is detected in the field, email/text alerts are sent to notify the necessary personnel of the exact fault.

FEATURES & BENEFITS

- Low-cost Internet connectivity solution
- Future-proof with "over-the-air" software updates
- Local manual override switch
- Integral battery back-up for power fail reporting
- Email and text messages when faults are detected
- Built-in knockdown detection sensor
- Remotely change schedule to multiple devices
- Monitor beacon lamps current
- GPS enabled for self-locating
- Compatible with Glance platform
- Cellular modem
- Low power consumption
- Cellular/PCS wireless modem (w/ 10-year connectivity and service plan)

HARDWARE SPECIFICATION

AI-500-070	
Connectivity	
Cell Modem C	Yes
RS-232 Port	Yes
Ethernet Port (10/100 Base-T)	Yes
Knockdown Sensor	Yes
GPS	Yes

I/O	
Digital Outputs	2 x Beacon Circuits
Digital Inputs	Beacon Status and Door Open Switch
Analog Inputs	AC Power, Solar Batteries and Temperature

Miscellaneous	
Operating Systems	FreeRTOS Systems
In Service Light	Yes
Operating Temperature	-37°C to 74°C
Humidity	5–95% non-condensing
Dimensions	8" x 5" x 2"
Input Voltage	10–30 V DC, 120 V AC
Power Consumption	2 W
Battery Backed Memory	Yes

Suitable for Monitoring	
Solar/battery powered	Yes
Lamp Monitoring	Yes
Scheduling	Yes
Voltage Status (V DC and V AC)	Yes
Knockdown Detection	

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