



Lumitrol™ System

ALTGPS1 Data Sheet

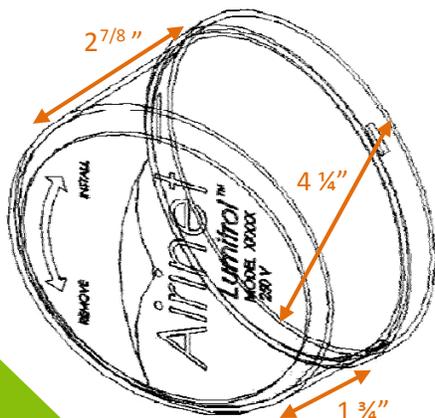
Lumitrol Smart Roadway Lighting Control

The Lumitrol™ Smart Lighting Control System converts each roadway light into a “smart” networking controlled light with advanced central monitoring, reporting, scheduling, and operating capabilities.

Features & Benefits

- ✓ Full 802.15.4 Compliance
- ✓ Built in GPS Receiver
- ✓ Built in Battery Backup
- ✓ Built in Photo Sensor / Controller
- ✓ Extra wide operational voltage range -57V ~ 580V
- ✓ Rugged one piece plastic cover design
- ✓ Automated OTA (Over the Air) network detection and registration
- ✓ Up to 1Mbs network communication bit rate

Mechanical Data



Housing:	UV Stabilized Polycarbonate
Base:	High Temperature ABS
Contact Blades:	Solid brass, 3-prong, locking type
Gasket:	Cross Linked Polyethylene
Weight:	5oz. each
Size:	1 3/4" h x 4 1/4" d x 2 7/8 " h
Packaging:	Sealed water resistant plastic



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Specifications

Electrical

Input Voltage Range: 57-580Vac, 50/60Hz	Operating Temperature: -30_C to + 65_C
Expected Life: 10 ⁷ @180 times/min.	Operating Humidity: 99% RH @ 50_C
Rated Load: 4,000V A	Turn On/Turn Off Ratio: 1:1.5
	Surge Protection: 380J

Communications

TX Power Output: +20 dBm (100mw)	RX Sensitivity: -103.5 dBm
Range: 12000 + Feet	Data Rate: 250kbps & 1Mbps
Encryption: AES 128-bit	Fmax: 16MHz
Spectrum: 16 RF Channels	FCC Certified

Global Positioning System (GPS)

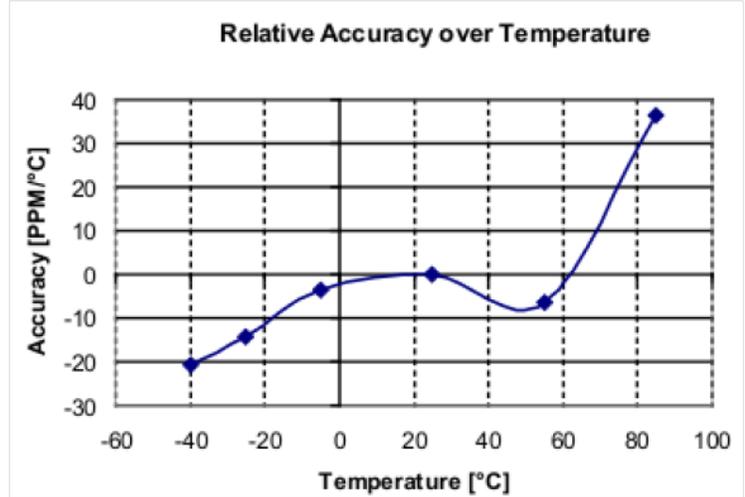
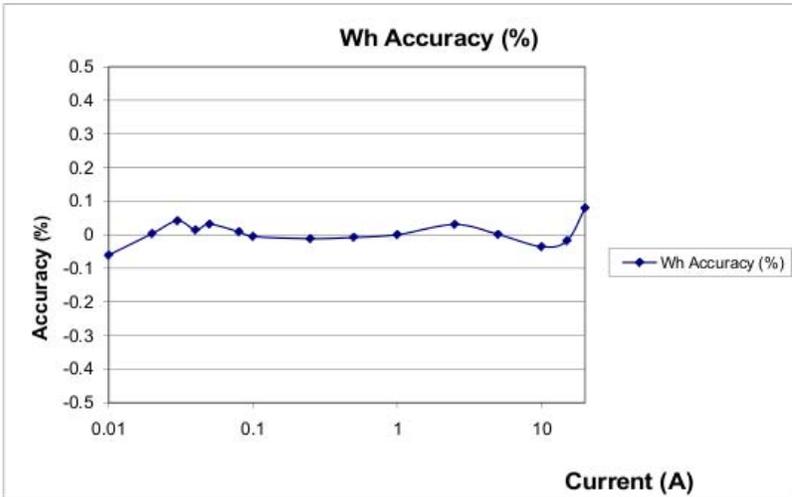
Correlators: 200,000	Sensitivity: -159dBm
Spectrum: 20 Channels	Acquisition Time Cold Start: 35 Seconds
Encryption: AES 128-bit	Acquisition Time Hot Start: 2 Seconds
Spectrum: 16 RF Channels	FCC Certified



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Typical Performance Data



Wh Accuracy, 20 mA to 20 A at 120 V/60 Hz and Room Temperature

