



ELECSYS LIGHT GUARD

OBSTRUCTION LIGHT MONITORING

Are your lights on?

Stay informed with continuous insight into your system.



Kit Bond Bridge, Kansas City, MO

Bridge Lighting

Tower Beacons

Monitor and get alerts if lights fail or if sites lose power

Stay compliant with U.S. Coast Guard and FAA/FCC lighting regulations

Save the time and resources required to manually check obstruction lighting

Receive immediate text or email alerts when lights or photocells fail



The Elecsys Light Guard system is built to monitor critical lighting circuits such as obstruction and aircraft warning lights on bridges, as well as beacons and marker lights on towers over 200 feet high and other structures near airports. The Elecsys Light Guard provides real-time connectivity and unparalleled data management and report generation to help stay in compliance with regulatory requirements.

SPECIFICATIONS

Communication	CDMA cellular telemetry, GSM cellular telemetry, IDP satellite telemetry External cell antenna kit: 48-0003-21
Input Connections (sensor/transducer)	Channels 1 – 4: Excitation voltage 24VDC 0-5 VDC current transformer (1% of measurement accuracy and 1mV resolution) 0-10 VDC current transformer (1% of measurement accuracy and 1mV resolution) 4-20 mA current transformer (1% of measurement accuracy and 1uA resolution) Available sample frequencies: 250ms, 500ms, 1sec, 10sec, 30sec, 1min, 10min, 1hr, 4hrs, 8hrs, 12hrs, 24hrs
Input Connection (digital)	Channel 5 – Digital input configurable for dry-contact alarm or status reporting (normally open or normally closed) Channel 6 – Digital input for photocell pulse counting, alarm control, dry contact alarm status *Optional* Analog to digital converter to configure all 4 analog channels to digital
Power	Power required: 10-35VDC or 12-25VAC external power input Internal rechargeable NiCd battery pack provides backup power for alarm notification in the event of a power failure Power consumption: 1.8W @ 15V typical, 20W transmitting
Operating Environment	Temperature: -40°C to +85°C (-20°C to +70°C in battery backup power mode) Humidity: 0-95% non-condensing Enclosure: Lockable NEMA 4X polycarbonate
Size	6.5" (155mm) x 8.5" (215mm) x 4" (102mm)
Installation	Universal brackets included for mounting inside a cabinet, pole mount, or post mount Connection cables: 1 ea. 7' (2.1m) power cable, 1 ea. 7' (2.1m) measurement cable 120/240VAC - 12/24VAC Transformer

