

LightGuard Basic

LightGuard Basic is a compact remote monitoring outstation unit for floating and fixed AtoNs. The unit monitors light operation and identifies the flash code by measuring the light current. With the integrated GPS position monitoring, light synchronization is available. Additional digital input and analogue input can be used to monitor external equipment such as RACON, door switch or batteries. A digital power output can be used to control a light or even to generate the Flash code.

- Easy installation
- Waterproof enclosure
- Mount on wall, rail or mast
- Lantern monitoring by current measurement
- Low power consumption
- GPS synchronization
- Position monitoring
- Tilt monitoring
- Communication by GSM, ISatM2M or AIS
- Integrated GPS and GSM antennas
- Digital I/Os for external equipment



Main Technical Specification

Supply Voltage	9-34 VDC
Power Consumption	< 3mA Std. by
Digital Out 1 (Flash Code)	2 A / 60 VDC Galvanic Isolated
Digital Out 2 (Sync Pulse)	100 mA / 60 VDC Galvanic Isolated
Digital Out 3 (Status)	100 mA / 60 VDC Galvanic Isolated
Analogue In	0 - 34 VDC 0.1% FS
Photocell Input	Sabik Photocell product code 980052
Current Input	+/- 10 A 1 % FS
Digital Input	60 VDC max. Galvanic Isolated
Serial Port	1 RS232, 9600 Baud, 1 RS485, 9600 Baud Modbus RTU Protocol, 1 CAN-bus port
Temperature	-25 to 55 °C (Storage to 70 °C)
Degree of protection	IP65
Terminals	1.5 mm2 / AWG 16
EMC	EN50081-1, EN50081-2, EN50082-1, EN50082-1

Product Codes

LGB-GPS	LightGuard Basic with GPS (for synchronization)
LGB-GSM	LightGuard Basic with GPS and GSM modem for data transmission
LGB-ISAT	LightGuard Basic with GPS and Inmarsat IsatM2M modem for data transmission
LGB-AIS1	LightGuard Basic with GPS and AIS T1 for MSG 6/21 transmission on fixed slot
LGB-AIS3	LightGuard Basic with GPS and AIS T3 for MSG 6/21 transmission/reception on fixed or random slot

