PELANGI

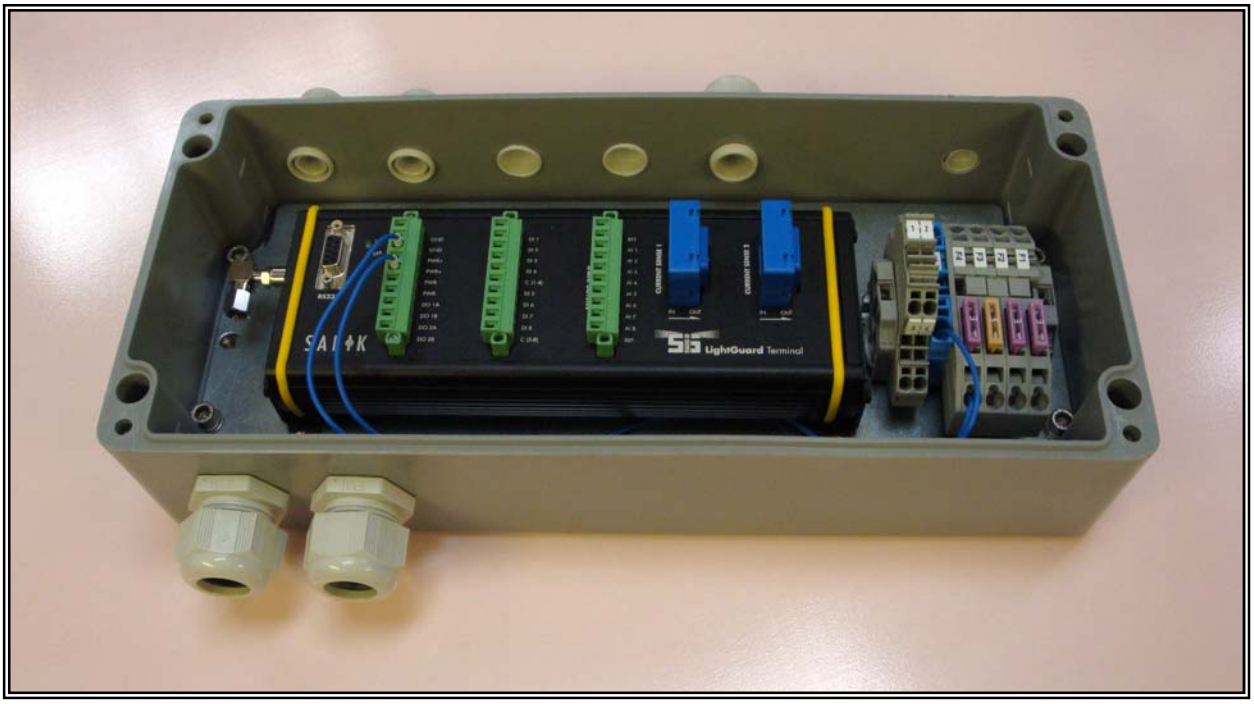
REMOTE MONITORING LGT800 Terminal

The LGT800 is a universal GSM or Satellite Monitoring Device for beacons and lighthouses. It has been designed to provide reliability, flexibility, and ease of use.

- Can be connected to any manufacturers equipment without the need for an interface.
- Satellite or GSM modem versions can be supplied, enabling usage at any remote location.
- Provides an alternative to a Radio system, where distance or interference are an issue.
- LightGuard Terminal software enables easy servicing in the field. See overleaf for details.
- Remote control and monitoring from any pc with an internet connection, via the WebSCADA system

The LGT800 has a variety of additional inputs and outputs to facilitate control and monitoring, including of other external equipment or sensors.

- 2 current sense inputs enable monitoring of flashing loads. Second input can be used to monitor solar charge with amp hour recorder.
- 8 analogue inputs giving the flexibility to monitor a number of external equipment parameters simultaneously, and with adjustable alarm thresholds.
- 8 digital inputs which can be used to monitor for example, door-switches, alarm outputs for RACONs, Circuit breakers, or over-voltage protection. Again, programmable change of state alarms can be set.
- 2 digital outputs, or 5 if using a satellite modem. These can be programmed and controlled by remote command through the LGT800.



LGT800 Terminal installed in a weatherproof outstation box.

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The LightGuard Terminal Software provides a simple, yet powerful interface. This allows LGT800 functions to be programmed and monitored either by direct cable connection for the service engineer, or remotely via the internet from any PC loaded with the operating software.

Simulation Screen

Installation and Configuration Screen

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The LGT800 Stepwheel function, enables a user to add special station dependant functions. Small sequence programs of up to 8 steps can be defined, with transitions dependant upon a specified value or time. Examples of possible programs could be: generator start-up sequence, flash code generation, or switchover from main to standby lantern.

Using the Stepwheel editor

Specification

Supply Voltage:	8-36 VDC
Power Consumption:	100mA @ 12VDC (10mA in low power mode)
Temperature:	-40 to +60°C
Housing Protection:	IP66 Enclosure standard.
Digital Outputs:	2 if using GSM 5 if using Satellite Modem
Digital Inputs:	8
Analogue Inputs:	8
Serial Port:	RS232 - MODBUS protocol
Dimensions:	220 x 90 x 50mm
Enclosure Dimensions:	360 x 160 x 90mm

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