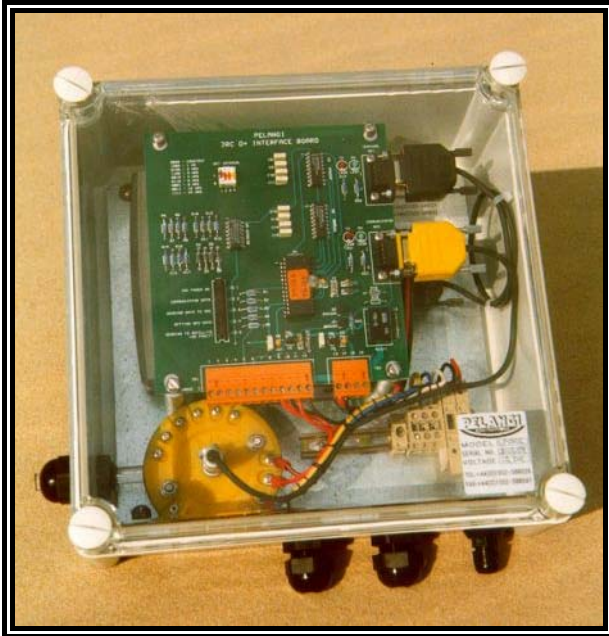


PELANGI

PELANET

Remote Satellite Link

Compact Inmarsat D+ Satellite link designed for remote monitoring via E Mail.



Master Remote site self contained IP67 enclosure shown here with Power Management Card, COMMUNICATOR flasher, Satellite terminal. (external aerial not shown)

Dimensions(mm) l x h x dp :270x 270 x 140
Power Consumption :0.6 amps @ 12v for 12 mins per call-up.

Enclosure Net Weight : 4 kgs

Antenna Dimensions (mm): 112x112x37
Antenna Net Weight : 352 grams
Mounting on 5mm Plate : 1 x 20mm Dia
Fixing : Lock nut



**INDUSTRIAL MEMBER
INTERNATIONAL
ASSOCIATION OF
LIGHTHOUSE
AUTHORITIES**

Designed for monitoring Beacon or buoy sites anywhere in the world with compact retro fitting package which will directly integration into the PELANET monitoring system.

- Remote Site can be supplied for retro fitting:
Options available:
COMMUNICATOR flasher programmed to drive Bi-form lamp up to 100 watts.
COMMUNICATOR flasher programmed to drive PA6 lampchanger up to 100watts.
COMMUNICATOR flasher programmed to drive LED array inside PL125
- Remote site can either be mounted on a buoy or shore beacon.
- PELANET master station can be added at a later date without altering the remote sites when budget is available thus upgrades can be added on an as required basis in the future.
- LED status indicators on power management board permit easy site observation of equipment status.
- TX/RX from COMMUNICATOR
- TX/RX to Satellite Terminal
- Power to Terminal
- COMMUNICATOR supplying Data
- Sending Data to Terminal
- Getting GPS position Data
- Sending message data to Satellite
- Low power consumption allows connection to existing power sources without the need to upgrade if interrogation kept to daily contact.
- Selectable rates of contact to base station on board for site commissioning. Thereafter selectable at continuous, 1, 2, 3 ,4 ,6,8,12 or 24 hour per transmission.
- Includes GPS buoy position monitor as standard with 0.5nm "Drift Alarm".
- Information from the various remote sites are down loaded by Email in one session by the master station using a local internet call.
- Utilises INMARSAT D + satellite to provide low cost communications.

PELANGI

PELANET

Remote Satellite Link

Station Details
History Print

Mallard

STATION INFORMATION

Light Colour	White/Red/Green
Range	9nm @ 0.74
Character	SF ev 1.0 sec
Sector	Sectored
Power Source	Mains Charger
Battery	12v 115 Ah
Lantern	Pelangi PL-300 Glass
Light Source	12v 5A P-30s
Flasher Type	Pelangi Communicator
Method	JUE-610DT Inmarsat D+

STATION STATUS

Station Identification	51416700
Current Lamp Hours	175.0
Previous Lamp Hours	0.0
Battery On Load Vdc	12.1
Battery Off Load Vdc	12.2
Lamp Number In Use	1
Flasher Status	Light On
Monitor Vdc	0.0
Monitor Input 1	Off
Monitor Input 2	Off
Global Mode	Normal
Last Message Stamp	12-09-01 00:13:29 GMT

POSITION STATUS

Latitude	28:58.94
Longitude	034:41.30
Admiralty No:	0119
Position Status	On Station

MENU

Show Flasher Details
Return To Chart

Flasher Control Outputs
 Control 1
 Control 2

PELANGI INTERNATIONAL LIMITED

Typical layout of an actual screen :

Features:

- Each site is provided with a actual site picture for recognition by system operators.
- Yellow information panel lists the site's equipment and characteristics.
- Blue panel lists monitored parameters up dated each time the site is interrogated.
- **Pull Down Menu** lists history of last 100 interrogations to enable review of the site's development at a glance.
- A colour status box changes colour and text to indicate at a glance if site is operating correctly. Alarm trip levels can be acknowledged by operator if exceeded.
- Site data provided to customers master station via **E mail** by local call to Pelangi Web site removing need for expensive International call to terrestrial base station. Systems already in operation for over 1 ½ yrs.

Control Outputs:

Up to 2 are set and labelled with their specific functions for ease of Port control.

Monitor points:

Up to 2 are provided and labelled within the Yellow box of station status. Additional analogue voltage can be used to monitor a external Voltage such as Wind speed , Wave or tide height or any other specialised equipment providing a 0-25 v output.

Automatic Global Position Monitoring included in package at no extra charge. "Position Status" compares real to actual position and provides coloured alarm button if OFF station.



**INDUSTRIAL MEMBER
INTERNATIONAL
ASSOCIATION OF
LIGHTHOUSE
AUTHORITIES**