



ASB ARGOS SURFACE BEACON



The **Argos Surface Beacon** is a watertight, battery powered Argos transmitter. Applications are the monitoring of moored buoys and location of floating objects.

Together with the services of CLS Argos, a world-wide monitoring of the ASB is possible. A special service allows the watching of the drift circle of a moored buoy. An alarm is generated if the buoy goes adrift. A warning that the watch circle is left will be sent to the user by facsimile. A warning is also generated if no signal is received from the beacon.

Features:

- Delrin housing
- Up to 6 months mooring life
- Up to 6 months transmission life
- Powered by 5 or 10 D-type Lithium batteries respectively
- CEIS UHF 88 platform terminal transmitter
- Water proof up to 10 metres
- Internal antenna

Specifications:

Water proof 10 m
Dimensions (l x d) 711 x 100 mm
Mass without batteries 6.7 kg
Displacement 5.6 dm³

Power supply (without option X) 5 or 10 Lithium D cells resp.
Mooring life up to 6 months
Transmission life 3 or 6 months resp.

How ASB works:

After insertion of the batteries the ASB begins to transmit. Special Argos services can be used to locate floating objects or watch the position of moored surface buoys.

Unit description:

The ASB consists of a Delrin tube closed by end caps. Inside the housing is a battery holder for two bundles of 5 batteries each in series, the PTT and the antenna. The batteries power the transmitter (PTT). Instruments with the X-Option have got a switch mode power supply for using a wider range of battery types. The ASB starts transmission after insertion of the batteries.

A reliable system:

Argos is two satellites in orbit, two processing centres offering full redundancy, 2500 beacons located every day, megabytes of data processed around the clock. And Argos has been fully operational for twenty years.

Worldwide operation:

The Argos satellites cover the entire surface of the earth, the system having capabilities to locate platforms to within 350 m. Ideal for active monitoring of equipment moored close to the coast or offshore.

MBM Service:

Each time a satellite passes over your buoy (more than ten times a day at mid latitudes), the Argos processing centre locates it. As long as it stays in its watch circle, CLS Service Argos generally sends you one position a day. If it leaves its circle, you are immediately warned by facsimile. Each new position is then send to you, or made available by E-mail at the processing centre. The same information is also sent to any two other organisations you wish.

Quick payback:

By saving hours of sea search time, the Argos moored buoy monitoring system will pay for itself the first time the buoy drags.

Options:

Option X switch mode power supply for extended battery range from NC batteries via Alkaline to Lithium batteries. The X-option may be installed in all systems retrospectively.

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