

## ASB X ARGOS SURFACE BEACON



### Features:

- Acetal resin (POM) housing
- Up to 6 months mooring life
- Up to 18 months transmission life
- Powered by 5 or 10 D-type batteries respectively
- Supports Lithium, Alkaline and NiMH batteries
- High efficiency “True Energy” switch mode power supply
- Water proof up to 10 metres
- Internal antenna

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 email, SMS, or facsimile. A warning is also generated if no signal is received from the beacon.

# ARGOS SURFACE BEACON ASB X

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## HOW ASBWORKS

After insertion of the batteries the ASB X 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 an acetal resin (POM) tube closed by end caps. Inside the housing is a battery holder for two bundles of 5 batteries each in series, the switch mode power supply, the PTT and the antenna. The ASB X starts transmission after insertion of the batteries.

## A RELIABLE SYSTEM

Argos is six satellites in orbit, two processing centres offering full redundancy, 20,000 platforms located every day. And Argos has been fully operational for more than thirty years.

## WORLDWIDE OPERATION

The Argos satellites cover the entire surface of the earth, the system having capabilities to locate platforms with an accuracy of up to 150 m. Ideal for active monitoring of equipment moored close to the coast or offshore.

## Specification:

Water proof	10 m	Power supply	5 or 10 pcs. D cells resp.
Dimensions (l x d)	711 x 100 mm	Supported battery types	Lithium, Alkaline, NiMH
Mass without batteries	6.7 kg	Battery cell voltage	0.8 - 3.7 V
Displacement	5.6 dm <sup>3</sup>	Peak supply current	100 mA
		Average power consumption	35 mW
		Mooring life (*)	up to 6 months
		Transmission life (*)	up to 18 months

(\*) Mooring and transmission life depend on the type of used batteries and are usually limited by biofouling.

## MBM SERVICE

Each time a satellite passes over your buoy (more than ten times a day at midlatitudes), 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 email, SMS, or facsimile. Each new position is then sent to you, or made available at the processing centre. The same information is also sent to any two other organisations you wish.

## QUICK PAYOFF

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

## "TRUE ENERGY" SWITCH MODE POWER SUPPLY

The ASB X contain a high efficiency switch mode power supply allowing the usage of a wide range of battery types and using up to 80% of battery energy for transmission. This gives up to 18 months of transmission life with Lithium batteries.



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