SRM

Satellite Remote Monitoring

TIDELAND SIGNAL CORPORATION

Tideland Signal has developed a satellite remote monitoring (SRM) system that provides pertinent information to marine aids to navigation (AtoNs). Utilising Inmarsat D, SRM which is a satellite radio, is installed on any AtoN and transmits vital information and warnings such as:

- GPS position
- Adjustable geo-fence warning area
- Marine light go/no go
- Battery voltage

A buoy, lighthouse, beacon or virtually any AtoN can be equipped with Tideland's SRM communication module. SRM is ideal for use with the complete range of Tideland products. SRM operational costs depend upon user requirements. Fees based on the client having their own account with a service provider can be arranged by Tideland Signal. SRM relies on satellite marine data communications. With extensive satellite coverage, SRM operates in almost every location worldwide. SRM is simply interconnected to an existing or new AtoN and switched on. Immediate verification of system operability is obtained.

SRM reports via internet web browser. Data is displayed in a user-friendly format. Operational procedures (geo-fence, for example) are easily changed. Warnings such as buoy off station, lantern failure or low voltage are sent immediately. Regular polling can be established as user requirements dictate. Power consumption is less than 0.2 Ah per day when used on a buoy to continuously monitor position and the health of the AtoN. SRM is lightweight and compact allowing it to be fitted to almost any existing AtoN.

Shown is a SRM unit fixed to mounting bracket on MLED-120SC, a solar-powered, self-contained marine light with a performance range in excess of 4 NM.

SPECIFICATIONS

Communications	Inmarsat D
Communication Channels	4
GPS Channels	12
Analog/Digital Input	Configurable 1
Power	
Input Voltage	9 to 36 VDC
Input Power	6 watts
Average Daily Load	0.2 Ah
Sleep Power	
GPS Non-Operational	0.5 watts
GPS Operational	1.5 watts
Temperature Range	-40°C to +70°C
Enclosure	
Protection	IP66
Diameter	112 mm (4.4 in)
Height	46 mm (1.8 in)

NOTE: Specifications are subject to change.

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INMETRO ANAB MGMT. SYS. RvA C 048
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Tideland Signal Corporation maintains ISO 9001:2000 accreditation. It is company policy to provide products and services that meet the highest standards of quality in the industry.

Membership Organisations

AISM IALA · IAPH · RTCM · NAM National Association of Manufacturers · CIRM

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