AC NEC Class 1 Division 2 Navaids

Universal Navigational Aids Systems

Tideland have created a suite of SOLACHAN (TM) products specifically to meet the exacting needs of Saudi Aramco for marking of their new and existing Offshore installations. These products fulfil the requirements for their AC supported and DC (Solar) systems but are equally suited to other similar applications. NEC Class 1 Division 2 Certified AC Solutions are designed to directly replace existing Saudi Aramco Navaids installations with like for like Certification levels and provide a good value solution where the application is in a gas hazardous area. They provide the same performance of the other variants but include certification to an equivalent level of existing hazardous area installations. An NEC Class 1 Division 2, UL Certified version of Tideland's NOVA-65 Lantern is used for this application and consists of a plastic housing and toroidal lens with integral photocell, to provide a 5 Nautical Mile Range as standard. A 5 degree vertical divergence is specified as the lights are on fixed structures and this gives the highest range for the lowest power, typically 1.1w peak. The lights run independently from the 12v 100Ah VRLA Gel Battery which provides the best possible power source for very small, long duration loads such as Navaids. The Battery is maintained by a small 12v battery charger housed in the weatherproof Exd Enclosure

TECHNICAL

- Suitable for NEC Class 1, Division 2 Hazardous Areas.
- Maintenance free Tideland Nova-65 UL 5 degree lantern (5NM Standard)
- 12v 100Ah Gel Battery in ventilated and insulated enclosure
- 12v 65w Battery Charger in Exd Painted Alloy Enclosure with AC/Battery Circuit Breakers
- Wired with GSWB Fire Resistant Cables and Nickel Plated Brass Cable Glands
- Pedestals Galvanised Steel and Painted to APCS-26T (EU) in RAL 1023 Yellow
- Hard Wire and GPS Sync standard
- >200 Days Autonomy for standard light at Morse U 15s

CHARACTERISTICS

- Separated Power and Sync field cable Junction boxes for safety
- Reduced power consumption (<1Kw hours per year typical)
- 360 Degree Rotation of Charger/Junction Box Panel Possible
- Options for 3NM Red and 10NM white lights
- kit is also available to convert the AC Stations to DC (Solar Powered) Stations by replacing/adding just 3 components. A kit is also available to convert from DC to AC variants

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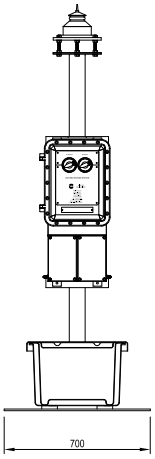

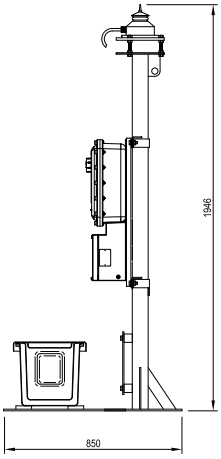

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