



Phalcon-NT12 Technical Control File

Report Ref: Phalcon-NT12
Issue: 2
Classification: Commercial in Confidence
Dated: 24/10/2018

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Equipment Description

The equipment is a marine radar beacon system (RACON) capable of responding to S-band and X-band pulsed radars in compliance with the ITU recommendations ITU-R M.824-2 'Technical Parameters of Radar Beacons'. The RACON is a receiver/transmitter transponder device used as a navigation aid, identifying landmarks or buoys on a shipboard marine radar display. The RACON responds to a received radar pulse by transmitting an identifiable mark back to the radar set. The displayed response has a length on a radar monitor corresponding to a few nautical miles and is encoded as a Morse character beginning with a dash for identification.

Equipment Identification

The RACON will be labelled with the manufacturer's part number as well as the purchasers name and logo. External connection points will also be identified.

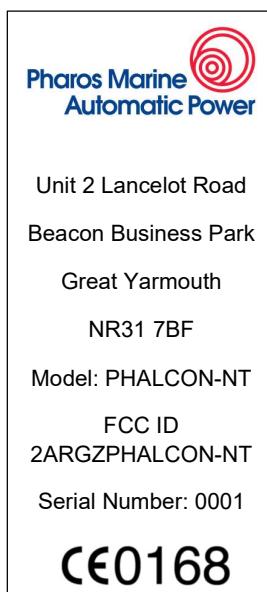
Manufacturer Part: Phalcon-NT

Manufacturer: Pharos Marine Automatic Power

Unit 2 Lancelot Road
Beacon Business Park
Great Yarmouth
NR31 7BF

Variant Differences:

This unit conforms in all respects with the LW26-701189, also manufactured by Linwave Technology, Ltd excepting that the external logo label refers to Pharos Marine Automatic Power, references its address and their type number.



The TCF for the LW26-701189 therefore fully describes the build standard and performance of the Phacon-NT brand and it will be maintained appropriately for the two brands.

Due to the purely cosmetic nature of the differences between the two brands Linwave Technology Ltd asserts that the testing carried out on the LW26-701189 is also valid for the Phalcon-NT brand and that this also means the Phalcon-NT brand does not require additional testing to support certification.

Linwave Technology Ltd grants Pharos Marine Automatic Power the rights to use the related I.P, test results and submissions for its prior LW26-701189 certification.