Notes for obtaining approval of marine standards

Thank you for purchasing touch operator interfaces, Pro-face® GP3000 series/ST400 series made by Digital Electronics Corporation.

The following describes restrictions for obtaining type approval of marine standards.
When installing these products in your system for which you plan to obtain type approval of marine standards from classification societies, please fully understand the proper handling and the features of the products following the restrictions.

For a certification and a certification number of each classification society, see our homepage.
Our homepage: http://www.pro-face.com/worldwide.html

Obtained type approvals
For GP3000 series/ST400 series, the obtained type approvals of marine standards are as follows; (as of January 2008)

American Bureau of Shipping	(ABS)
Bureau Veritas	(BV)
Det Norske Veritas	(DNV)
Germanischer Lloyd	(GL)
Lloyd's Register	(LR)
Registro Italiano Navale	(RINA)

Applicable Products
The type approvals have been obtained for the following models in GP3000 series / ST400 series.

GP-3300 Series	AGP3300-T1-D24 AGP3300-S1-D24, and AGP3301-S1-D24 (for DNV only) AGP3300-L1-D24, and AGP3301-L1-D24 (for DNV, LR only) AGP3302-B1-D24 (for DNV only)
GP-3400 Series	AGP3400-T1-D24, AGP3450-T1-D24
GP-3500 Series	AGP3500-T1-D24
GP-3600 Series	AGP3600-T1-D24
GP-3700 Series	AGP3750-T1-D24
ST-400 Series	ST401-AG41-24V, ST403-AG41-24V

Restrictions

The following describes restrictions for obtaining type approval concerning GP3000 series/ST400 series.

(1) For GP3000 series

For installation, wiring, and use of the product, be sure to read GP3000 series Installation Guide and GP3000 series Hardware Manual.

Install the noise filter (Schaffner Type FN2070-1-06 or equivalent) on the power-supply line of the product.

Install the product on the metal enclosure or control panel.

The product must be mounted on a grounded metallic enclosure.

Shields of Power-supply cable, AUX cable and USB cable must be grounded.

The product does not satisfy the conditions of installation in a bridge zone.

(2) For installing ST400 series in a bridge zone

For installation, wiring, and use of the product, be sure to read ST400 series Installation Guide or ST400 series Hardware Manual.

Install the noise filter (Schaffner Type FN680-1-06 or equivalent) on the power-supply line of the product.

The product must be installed at least 5 meters away from the compass as required in 4.5.3 of IEC60945.

HMI application must be designed not to degrade the night vision of the officer of the watch (Configuration software offers the possibility to tune brightness and application panel colors to comply with requirements based on IEC60945)

For installing the product somewhere excluding a bridge zone, there's no restrictions.