

TRANBERG® COMMANDER

TEF 4900 Commander Navigation Light System, General Description

Safe Area



ABS



Control and monitoring system for navigation and signal lights.
Scalable system delivered according to customer's specification.

Custom made text and graphics on operator panel.
Separate operator panel makes installation at suitable and desired location easy.

Serial communication to BAMS/CAM systems, in compliance with IEC62923.

Application

Color and monitoring of COLREG navigation lights and signal

- Navigation lights
- Signal lights
- Suez lights
- ROV lights
- Towing lights
- Etc.

Features and benefits

- Control and monitoring of 24V LED navigation and signal lights (Note 1)
- Control and monitoring of 24V filament navigation and signal lights. Provisions for compensating voltage loss in long cables can be delivered
- Control and monitoring of 115/230V filament navigation and signal lights.
- Backlit operator panel with custom text and graphics.
- Audible and visual alarm.
- Common alarm output and alarm silence I/O.
- Serial communication link to VDR, CAM, BAMS and/or other supervisory control system.
- Automatic switch-over to spare light and to emergency power supply.

Approvals and certificates

Type approval certificate by DNV
Certificate of Design Assessment by ABS



Available Control Modules

- | | |
|---|--|
| 1 | Fused output modules for 24V LED lights and 24/115/230V filament lights. |
| 2 | Fused dimmable output module 115/230V |
| 3 | Fused dual blinking output module, 115/230V |
| 4 | Digital I/O modules. |

Note 1: Requirements for connected LED lights.

- LED lights shall be self-monitored and when alarm occurs, current shall be <31mA
- LED lights shall have built in life time control (DNV-GL requirement).

Compliance standards:

IMO Res. A.694(17), IMO Res. MSC.253(83),
DNV-GL Rules for Classification of Ships,
DNV-GL Offshore Standards, IEC EN 60947-1:2007/A1:2011/A2:2014, IEC 60945:2002, IEC EN 63000:2018, IEC62923*

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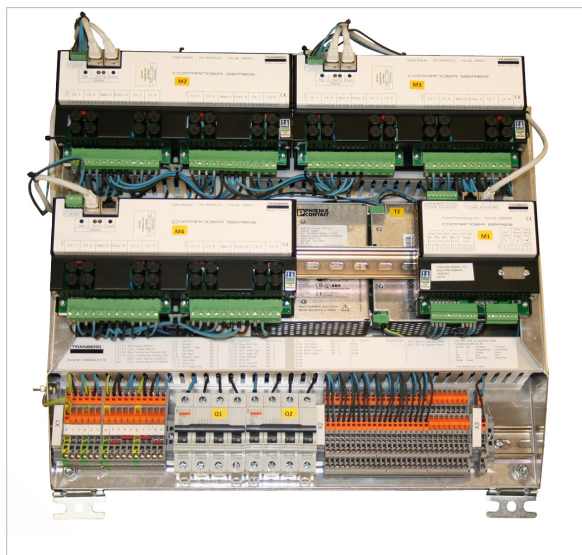
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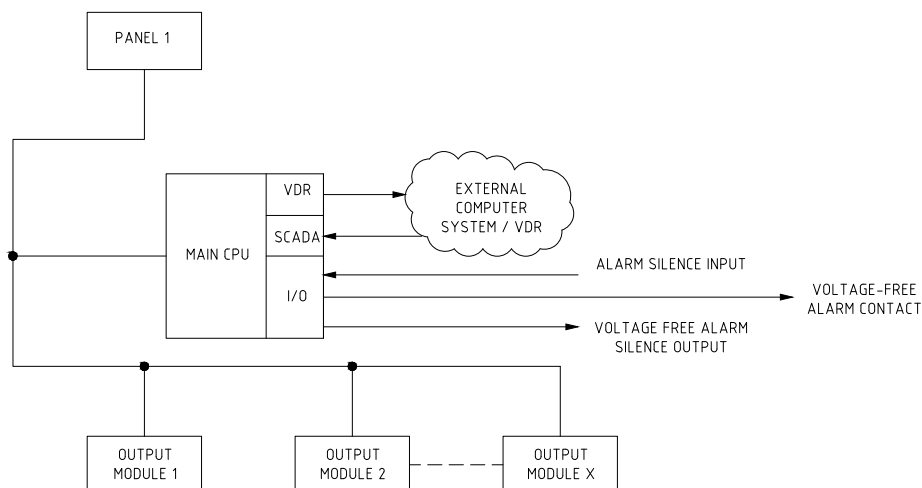
Typical System



Option: Mounted in Cabinet



Wiring



490A103007_Rev. A



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