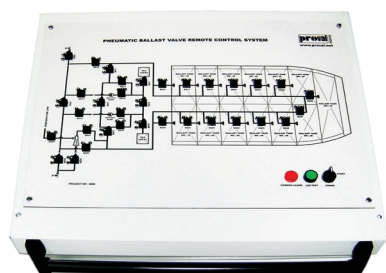
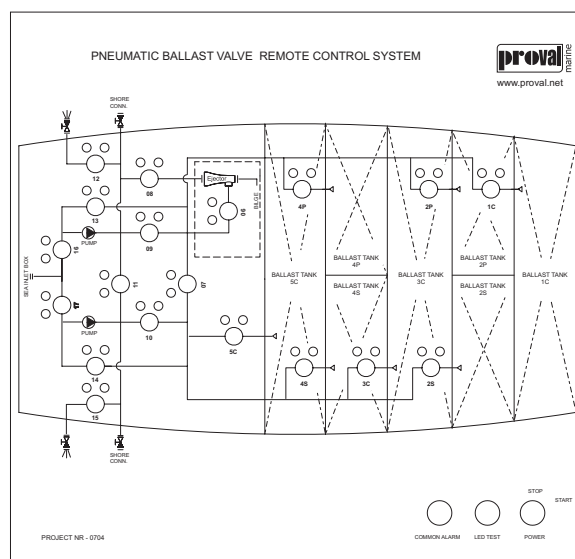
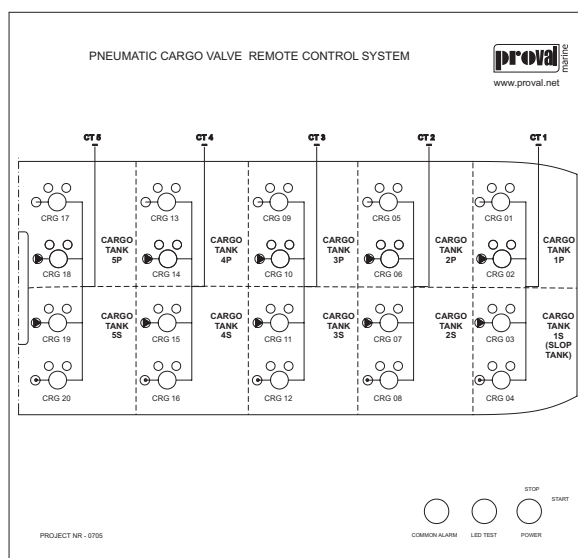


Proval Pneumatic Ballast / Cargo / Fuel Oil Valve Remote Control Systems

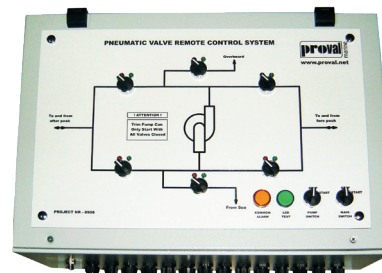
Proval pneumatic VRC systems are used in marine to control ballast, cargo or fuel oil automation systems.

Superiorities of Proval Pneumatic VRC Systems

- Environment friendly solution especially in submerged systems. In comparison with conventional hydraulic systems, there is no oil pressure in pneumatic systems to cause external leakage to ballast tanks.
- System runs on volumetric control principle and generates 100% reliable valve position signals
- There is no power outside the control box and is safe for explosive areas
- Can be operated with basic mimic diagrams or touch pad screens or PC based systems
- Lower risk caused in pipelines in comparison with hydraulic systems (100 bar) due to lower supply pressure (6 bar)
- There is no pressure in supply pipe lines while the system is off
- There is no need for additional power packs etc. System just requires 6 bar air supply and 24VDC power supply
- It requires lower space in comparison with hydraulic systems.
- Approved for marine use by all major classification societies.



Ballast System
Control Panel



Trim System
Control Panel