



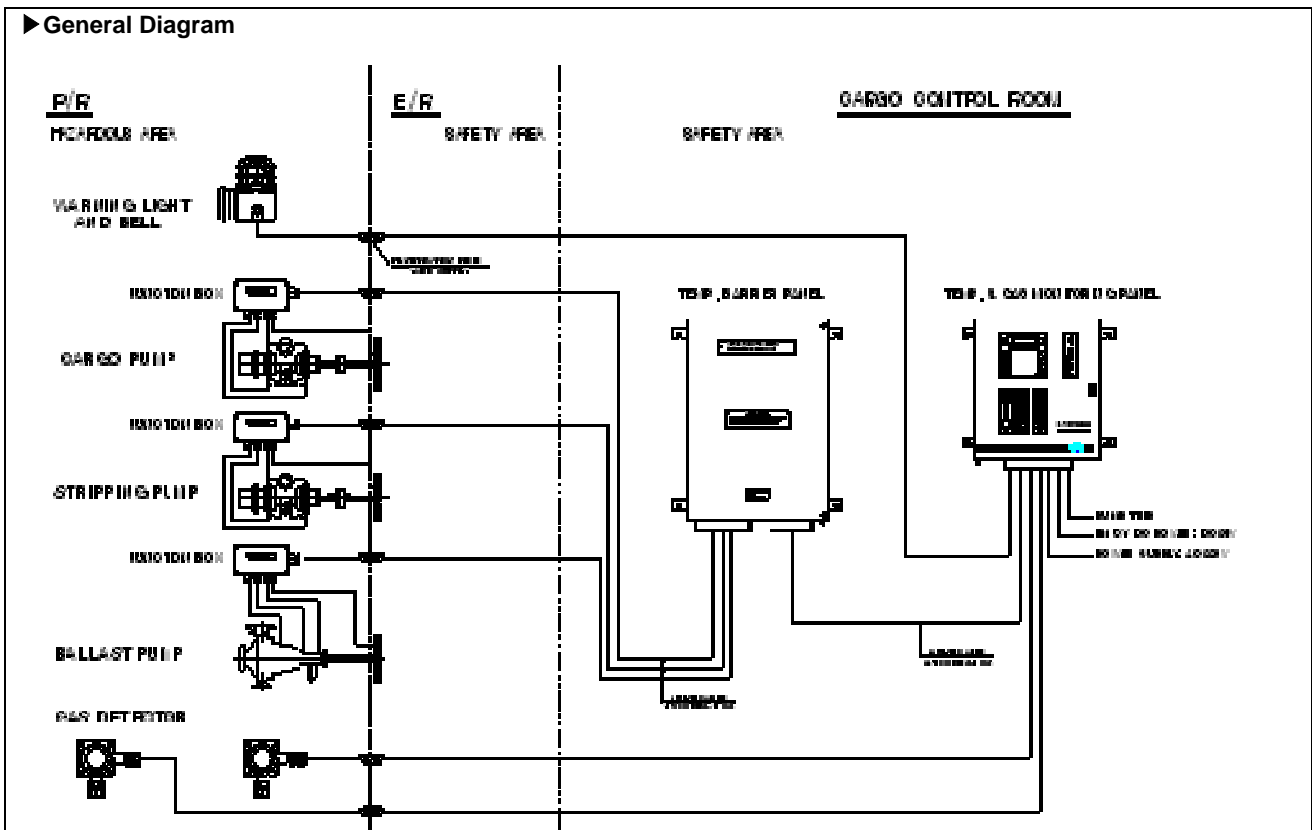
Temperature & Gas Monitoring System Model: PSD-3000

► Advantage

- In Accordance with SOLAS Ch.II-2
- Bilge alarm option for SOLAS X11/9
- Monitoring of all parameters inside on panel
- Intrinsically safe type(EEx ia)
- Protected from failures due to dust & corrosion
- No need for additional mechanical protection
- Alarm override and override reinstatement



► General Diagram





Temperature & Gas Monitoring System Model: PSD-3000

► Description

This PSD-3000 system is specially designed for complete monitoring of cargo pump room parameters with safety devices such as temperature sensor and gas detector.

Temperature monitoring system is intrinsically safe type.

Temperature sensor is converted as 4...20mA signal by connected with temperature converter with barrier in cabinet installed control room with PT 100 Ohm.

4...20mA signal show as LCD & ring the alarm according to setting alarm level Gas detection system is explosion proof type(Exd II C T5). And the gas sensor printed 4...20mA signal. This signal shows as LCD & ring the alarm level by control unit in control cabinet.

PSD-3000 System made according to SOLAS CHAPTER II -2, and installed existing oil tanker and oil/chemical tanker of 500GT over carrying crude oil nor petroleum products having a flashpoint not exceeding 60°C.

► Technical Specification

-Temperature monitoring panel

- 24 point analog input
- Power supply : AC110/220V
- Display : LCD Display
- Alarm Level : High Temp.-70°C
Pump Trip -80°C
- Accuracy : ±1.0% of F.S
- Communication : RS 485

-Temperature sensor

- Sensor Type : PT 100Ω sensor
- Range: 0~150°C
- Operating Temperature: -50°C ~ 200°C
- Ingress Protection: 67
- Accuracy: ±1.0% of full scale
- Easy to installation
- High mechanical robustness
- Intrinsically safe type

-Gas detection system

- Independent unit for Gas Detection
- 2 Output Relays
- 2 Alarm level
- Power supply : AC110/220V
- ✦ Accuracy : ±3.0% of F.S
- ✦ Communication : RS 485