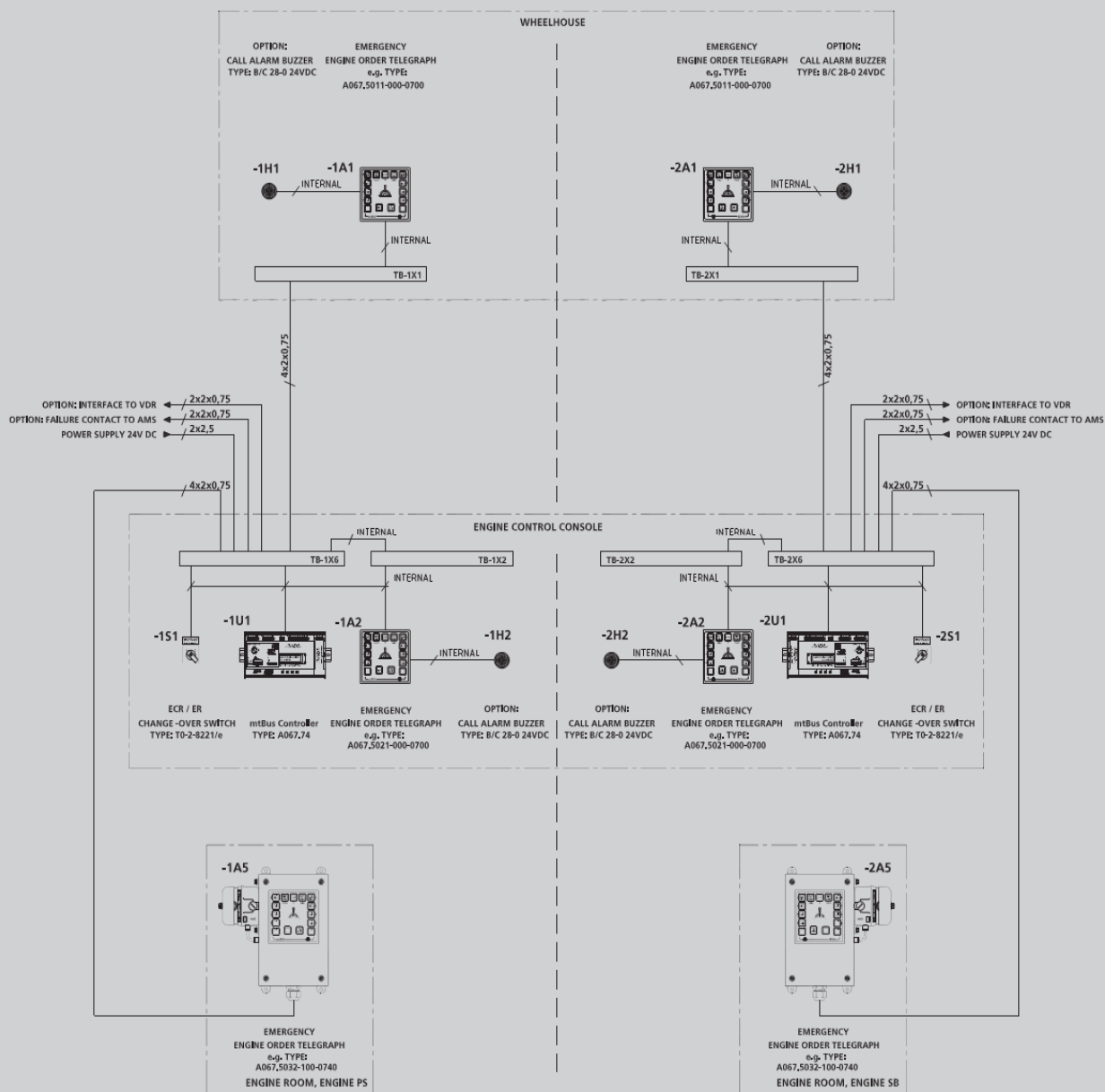




A067

Emergency Engine Order
Telegraph System
(Emerg. EOT System)

Outline diagram of a typical emergency EOT System



Emergency EOT system A067

The Emergency Engine Order Telegraph System is designed for the communication between bridge, engine control room and/or emergency station.

The system has a modular structure, the interconnection of the individual components being realized by means of a bus system.

The freely selectable bus topology enables a flexible arrangement of the network participants.

The mtBUS requires four wires – two for data transmission and two for the power supply of the bus.

The system includes the following components:

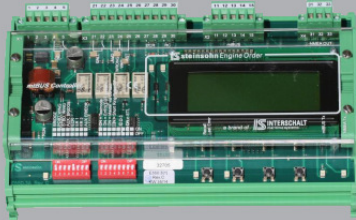
- mtBUS controller
- button-controlled telegraph as transmitter on bridge
- button-controlled telegraph as receiver in engine control room
- button-controlled telegraph as receiver in engine room
- changeover switch ECR / ER

Your benefits



- **Cable-saving and robust mtBUS-system**
- **Fast and easy to install with no adjustment required**
- **Modular structure with expansion possibilities**
- **Clear error diagnosis by means of descriptive messages on central LC display**
- **Serial interface to VDR**
- **Type approved by:**
 - Germanischer Lloyd (GL)
 - Bureau Veritas (BV)
 - Lloyd's Register (LR)
 - Russian Maritime Register of Shipping (RMRS)
 - Russian River Register (RRR)

A067 mtBUS controller



The mtBUS-Controller is responsible for the control of the data flow on the mtBUS. It receives the status messages of the connected components and makes them available for the central monitoring system.

Following output contacts are provided:

Serial interface to VDR by NMEA protocol RS422

Failure contact, causing an alarm to be communicated to an alarm system in case of a failure of the Emergency Engine Order Telegraph System.

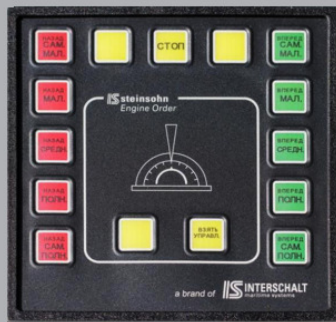
Performance characteristics:

- Control and monitoring of connected system components by bus system RS485
- Operating voltage 24VDC
- Power consumption 5W
- Simple installation on terminal rail
- LC display with 20 characters in 4 lines
- Serial interface to VDR
 - isolated
 - format RS422; 8N1 4800 baud
 - switchable between:
 1. proprietary sentence
 2. ETL sentence acc. IEC 61162-1
- Failure contact
- Failure diagnosis on LC display

A067 Emergency EOT operating elements



Receiver in engine room,
in wall box with bell



Transmitter / receiver,
for console mounting

The bridge- and ECR / ER components represent the two (three) communication parts of an Emergency Engine Order Telegraph System

By means of a RS485 BUS system with electrical isolation the system components are linked to each other.

Performance characteristics:

- Operating voltage 24 VDC
- Description of the buttons in several languages available