

Connection of Voyage Data Recorder (VDR, „Black Box“) to the Smoke Detection System SDS-48

General

According to SOLAS Chapter V regulation 20 (Amendments 2000), all cargo ships over 3,000 gt built after July 1, 2002 the **fire alarm signal** and the **fault signal for loss of power supply** of the smoke detection system for cargo holds must be connected to a voyage data recorder (VDR).

Terminals in Smoke Detection System SDS-48 for Connection to VDR

For connecting the VDR to the Smoke Detection System SDS-48, voltage free contacts are available in the smoke detection panel and in the repeater panel (if applied). For details see below:

	Terminal Nos. of Voltage Free Contacts in ...	
	... Smoke Detection Panel	... Repeater Panel
Fire Alarm	common contact: 31 contact normally open: 22 contact normally closed: 21	common contact: 23 contact normally open: 21 contact normally closed: 22 or common contact: 43 contact normally open: 41 contact normally closed: 42
Fault Warning (including loss of power supply)	common contact: 35 contact normally open: 26 contact normally closed: 25	common contact: 29 contact normally open: 27 contact normally closed: 28 or or common contact: 49 contact normally open: 47 contact normally closed: 48