

CS4000 System boards LB3, Loop Board

Part no. 462003

System: Salwico CS4000 fire alarm

Description

The printed circuit board LB3, Loop Board is a system module in the Salwico CS4000 fire alarm system.

The Loop Board is a connection board for 3 analogue addressable detector loops. Each analogue addressable loop can have up to 254 loop units.

For more information about how to connect the different CS4000 system boards together, please refer to the CS4000 Service & Maintenance manual.

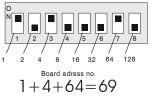
Data

Nominal voltage27 VDCWorking voltage19-30 VDCWorking current340 mACable terminals2.5 mm²Temperature range0°C to +55°CWeight~300 gDimensions (bxhxd)247x127x25

Address switch

The 8-pole DIP switch is used to set the address for LB3 Loop Board. Each board in a system has its own unique address. The address no. can be set from 1 to 255.

Example address switch setting:



Block diagram INTERNAL SYSTEM CHANNEL B, OUT* INTERNAL SYSTEM CHANNEL B, IN* RS485 A RS485 B INTERNAL FA SIGNAL LB3, LOOP BOARD INTERNAL SYSTEM CHANNEL A, OUT INTERNAL SYSTEM CHANNEL A, IN RS485 / RS485 / INTERNAL FA SIGNA LOOP 1 LOOP 2 LOOP 3 0000 0000 0000 *INTERNAL SYSTEM CHANNEL B IS ONLY USED ģ WHEN REDUNDANCY OF INTERNAL SYSTEM CHANNEL IS REQUIRED ங DETECTOR LOOPS

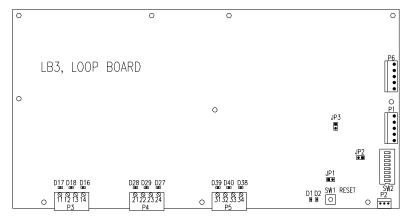
Specifications may be subject to change for improvement without prior notice



Consilium Marine AB P.O. Box 8763, SE-402 76 Göteborg Phone +46 31 7107700 Fax +46 31 7107800 www.consilium.se Data sheet no: 462003 LB3 loop board 06 2 E Page 1 of 2

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Component layout



Jumpers

JP1

Run mode. Fitted during normal operation. Move to JP2 during programming. JP2 Programming mode. Fitted during programming. Move to JP1 after programming is completed. JP3

Not used

Connectors

- P1 Internal system channel A, incl. power supply from RB, rectifier board.
- P2 Contact for download of software to LB3
- P3 Connection of detector loop 1
- P4 Connection of detector loop 2
- P5 Connection of detector loop 3
- P6 Internal system channel B. Only used if redundancy of the internal system channel is required.

Terminals

DESCRIPTION	CONNECTOR	TERMINAL NO.	FUNCTION	DATA
Fire loop 1 A side	P3	11	+	28VDC,
	P3	12	-	max 300mA/loop
Fire loop 1 B side	P3	13	+	
_	P3	14	-	
Fire loop 2 A side	P4	21	+	
	P4	22	-	
Fire loop 2 B side	P4	23	+	
	P4	24	-	
Fire loop 3 A side	P5	31	+	
_	P5	32	-	
Fire loop 3 B side	P5	33	+	
	P5	34	-	

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LEDs

D1 Indication for processor, Green.
D2 System fault. Yellow.
D16 Fire indication, loop 1. Red.
D17 Fault indication, loop 1. Yellow.
D18 Communication, loop 1. Green.
D27 Fire indication, loop 2. Red.
D28 Fault indication, loop 2. Yellow.
D29 Communication, loop 2. Green.
D38 Fire indication, loop 3. Red.
D39 Fault indication, loop 3. Yellow.
D40 Communication, loop 3. Green.