

CS4000 System boards **BB, Base Board**

Part no. 462001

System: Salwico CS4000 fire alarm

Description

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

The Base Board is the motherboard in the system, containing all the basic in- and outputs and controlling the system communication.

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

Data

Nominal voltage	27 VDC
Working voltage	19-30 VDC
Working current	110 mA
Cable terminals	2.5 mm ²
Temperature range	0°C to +55°C
Weight	~380 g
Dimensions (bxhxd)	248x127x37

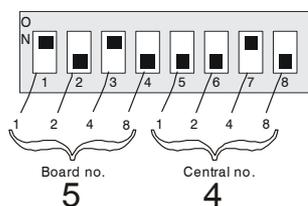
Address switch

The 8-pole DIP switch is used to set the central and base board address.

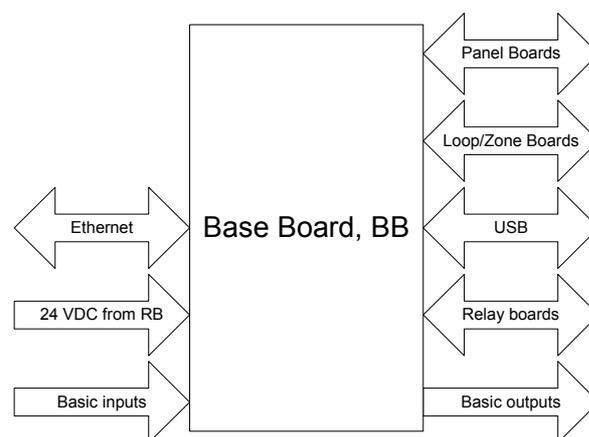
Switch 1-4 is dedicated for the board address, and switch 5-8 to the central address.

The address number can be set from 1 to 15.

Example:



Block diagram

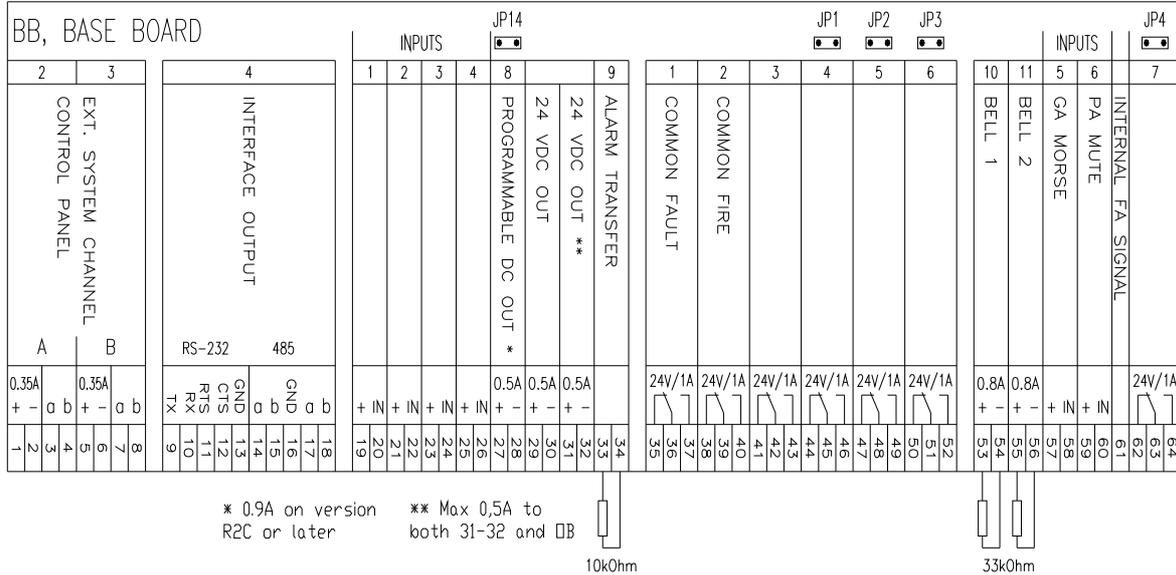


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Terminals

Terminal layout



Terminal data

DESCRIPTION	TERMINAL	FUNCTION	DATA
Power Output 1 to Control & Repeater panel. External System channel A	1	Power +	24VDC, max 350mA
	2	Power -	
	3	Communication, a	RS485
	4	Communication, b	
Power Output 2 to Control & repeater panel External System channel B	5	Power +	24VDC, max 350mA
	6	Power -	
	7	Communication, a	RS485
	8	Communication, b	
Interface output (RS232 or RS485)	9	TX	RS232, isolated.
	10	RX	
	11	RTS	
	12	CTS	
	13	GND	RS485, isolated
	14	A (same as 17)	
	15	B (same as 18)	
	16	GND	
Input 1	19	+	Not isolated. Activated when terminals are shorted. For example "GA auto input".
	20		
Input 2	21	+	
	22		
Input 3	23	+	
	24		
Input 4	25	+	
	26		

Specifications may be subject to change for improvement without prior notice

Data sheet no: 462001 base board 11 1 E
Page 3 of 4



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BB, Base Board

Programmable DC out Power Output 3	27	+	27VDC, max 500mA (max 900mA on version R2C or later). JP14 mounted away from terminals= inactive 0V, active 24VDC. JP14 mounted towards terminals= inactive 24VDC, active 0V	
	28	-		
24VDC out Power Output 4	29	+	27VDC, max 500mA $V_{min}=18.5VDC$, $V_{max}=27.5VDC$	
	30	-		
24VDC out Power Output 5	31	+	NOTE! Power Output 5 and all OB share the same 500mA (via 10 pol flat cable).	
	32	-		
Alarm transfer	33	+	Must be terminated with end of line resistor 10k Ω	
	34	-		
Programmable output 1	35	NC	27VDC, max 1A	
	36	C		
	37	NO		
Programmable output 2	38	NC		
	39	C		
	40	NO		
Programmable output 3	41	NC		
	42	C		
	43	NO		
Programmable output 4 (follows GA if jumper JP1 is mounted)	44	NC		
	45	C		
	46	NO		
Programmable output 5 (follows GA if jumper JP2 is mounted)	47	NC		
	48	C		
	49	NO		
Programmable output 6 (follows GA if jumper JP3 is mounted)	50	NC		
	51	C		
	52	NO		
Bell output 1	53	+		24VDC, max 800mA $V_{min}=19.5VDC$
	54	-		
Bell output 2	55	+	$V_{max}=27.5VDC$ End of line resistor 33k Ω	
	56	-		
Input GA morse	57	+	Not isolated. Active when shorted	
	58			
PA mute	59	+	Not isolated Active when shorted	
	60			
Internal FA signal output	61	Open collector	Active low	
Programmable output 7 (follows GA if jumper JP4 is mounted)	62	NC	27VDC, max 1A	
	63	C		
	64	NO		