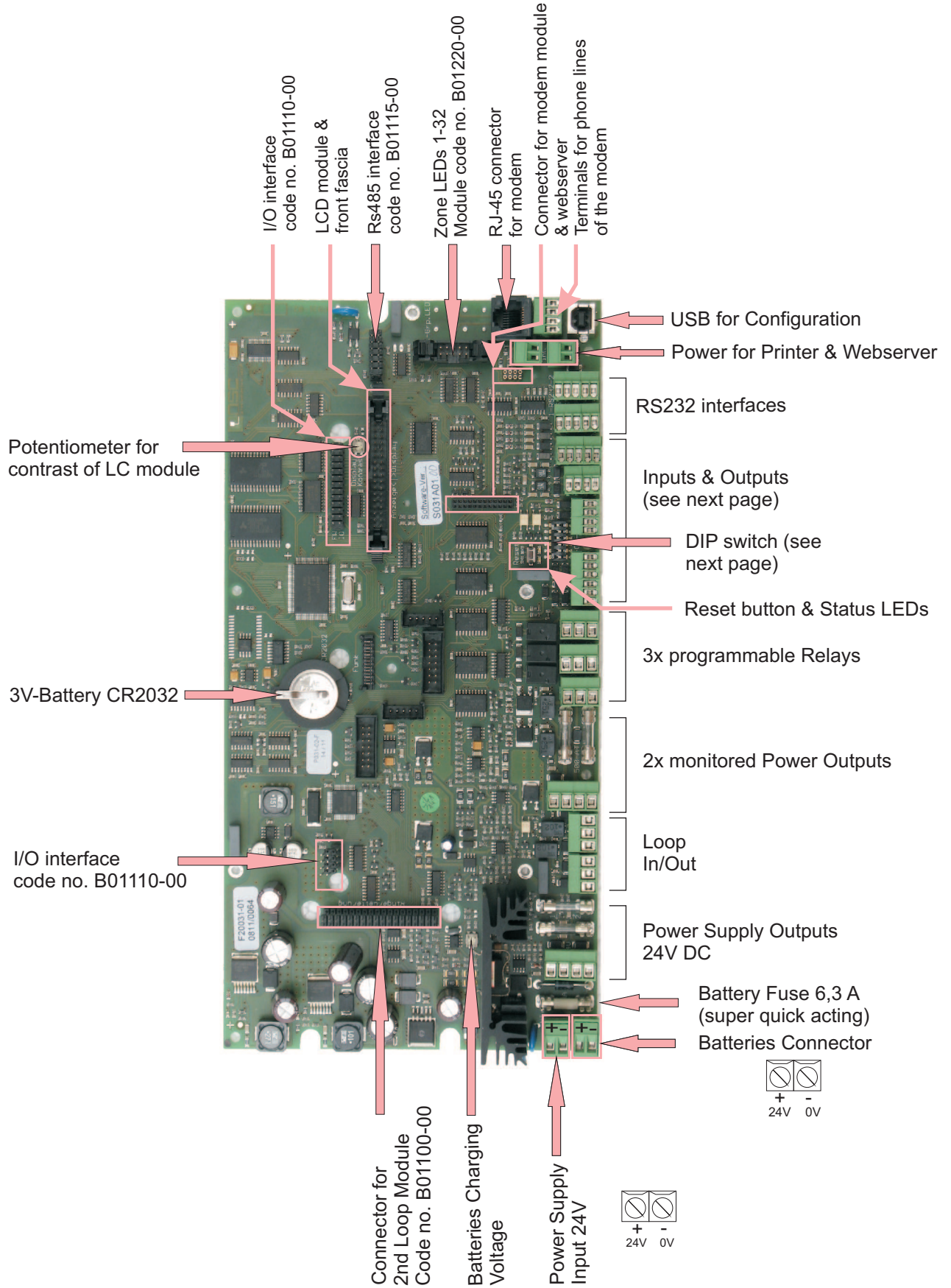

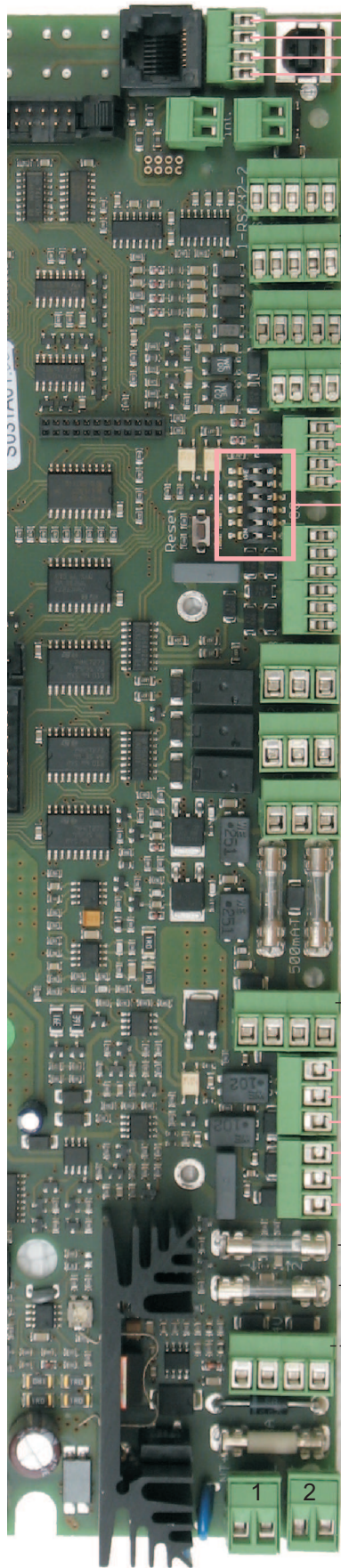


Overview of Main Board P031-01 : Connectors and Interfaces

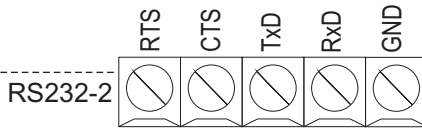


Change	Name / Date	Overview of "Solution F2" Main Board	
			Name: RS
			Date: 2011/06/30
		Page: 1/8	

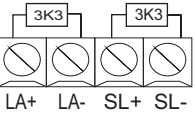
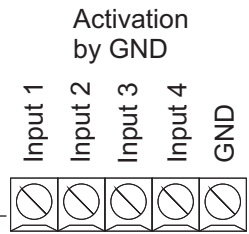
Inputs & Outputs of "Solution F2" Main Board



Lb' (ISDN 2b)
La' (ISDN 2a)
Lb (ISDN 1b)
La (ISDN 1a)



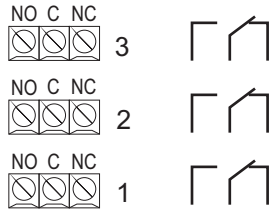
RS232-1 (wiring as RS232-2)



connection to extinguish system
SL = Fault extinguish system (monitored input line 1)
LA = extinguishsystem activated (monitored input line 3)
normal EOL 3K3, active 680R

Opto coupler Output 8 (-)
Opto coupler Output 8 (+)
Opto coupler Output 7 (-)
Opto coupler Output 7 (+)

OC output 6
OC output 5
OC output 4
OC output 3
OC output 2
OC output 1
max. load 30V/50mA

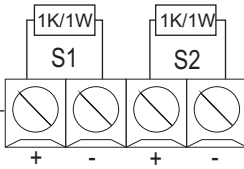


drawing :
relay contacts not active
max. load 30VDC/1A

DIP switch

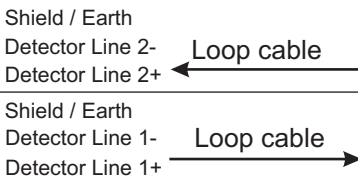
- 6: Output 8 (-) to GND
- 5: Door contact to Output 8
- 4: Output 7 (-) to GND
- 3: System Fault to Output 7
- 2: System Fault to Relay 3
- 1: Flash Update mode

Fuse left : Power Output 1, 500mA time-lag
Fuse right : Power Output 2, 500 mA time-lag



Please put End-of-Line resistors in last device.

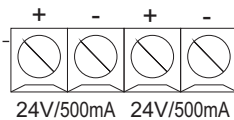
Monitored Power Outputs 24V, 500mA




Note:
In case of loop wiring connect the shield only on one end.

Fuse output 2 : Power Supply 24V, 500mA time-lag

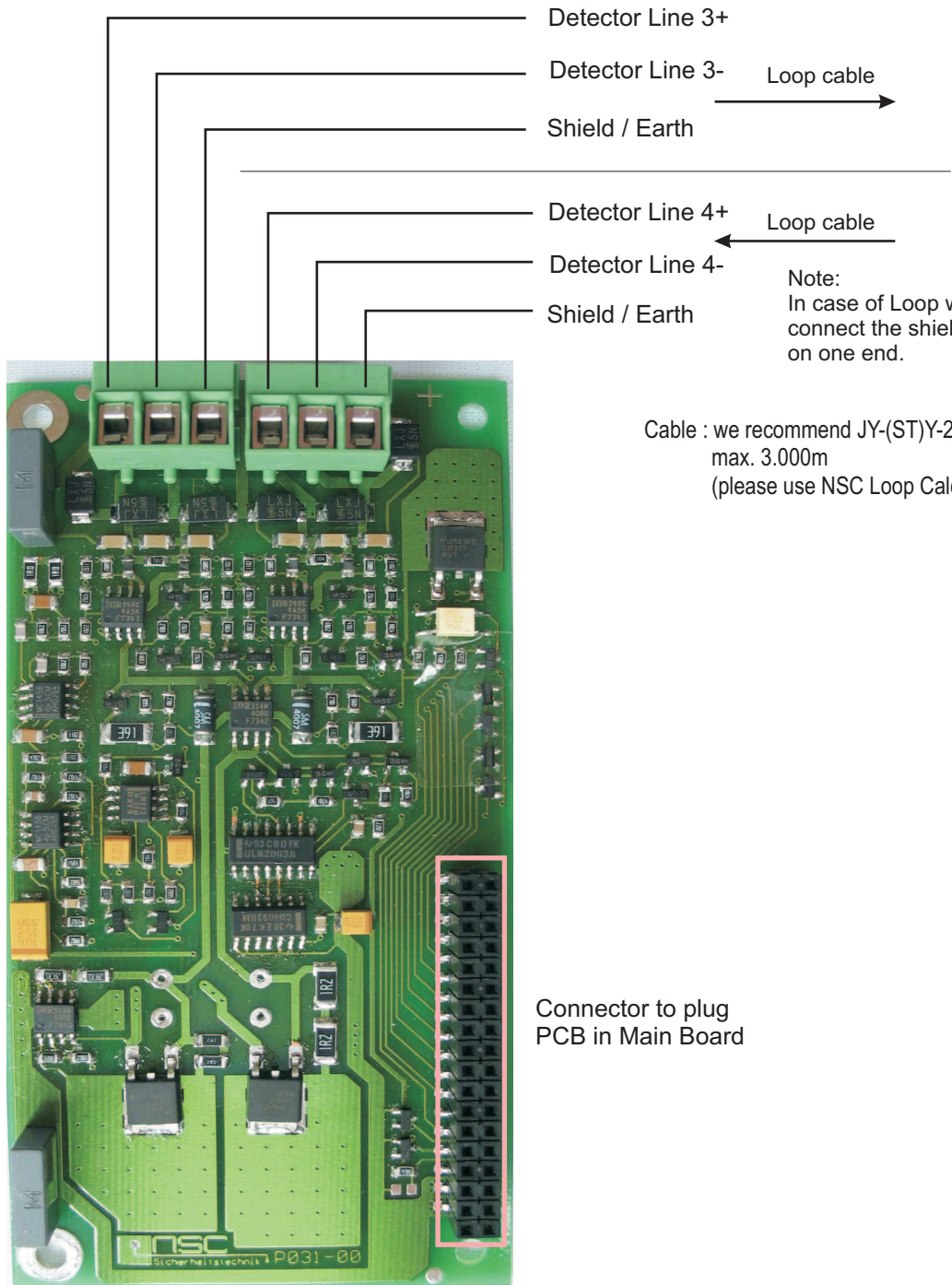
Fuse output 1 : Power Supply 24V, 500mA time-lag



- 1: 24V from Power Supply Unit
- 2: Batteries

Change	Name / Date	Inputs & Outputs of "Solution F2" Main Board F20031-01	
			Name: RS
			Date: 2011/06/30
		Page: 2/8	

Loop extension Module B01100-00




Detector Line 3+
 Detector Line 3- Loop cable
 Shield / Earth
 Detector Line 4+ Loop cable
 Detector Line 4-
 Shield / Earth

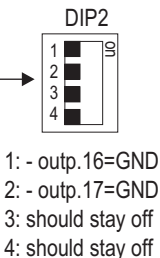
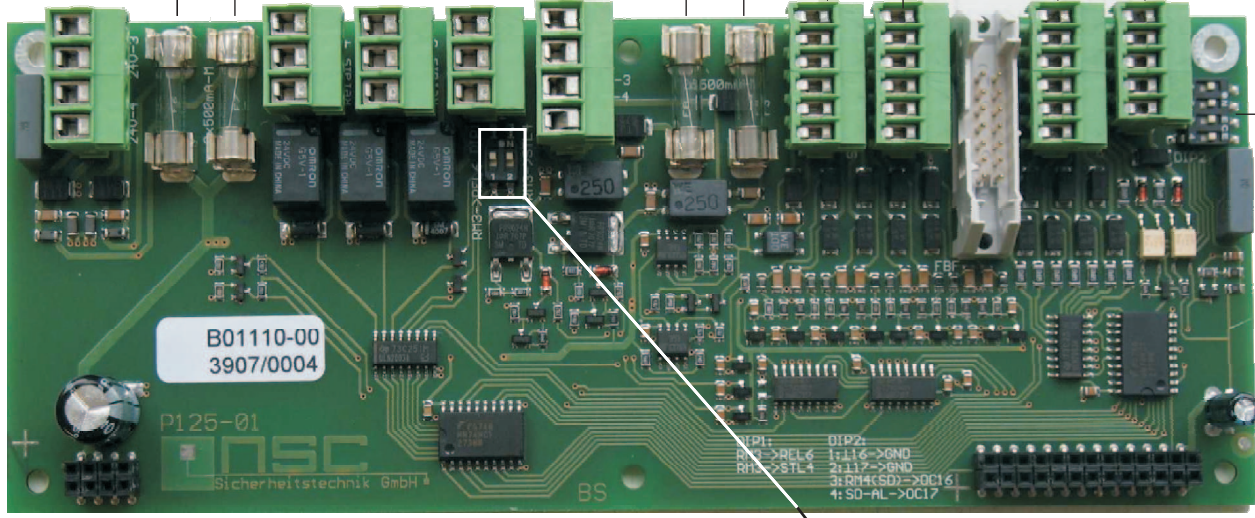
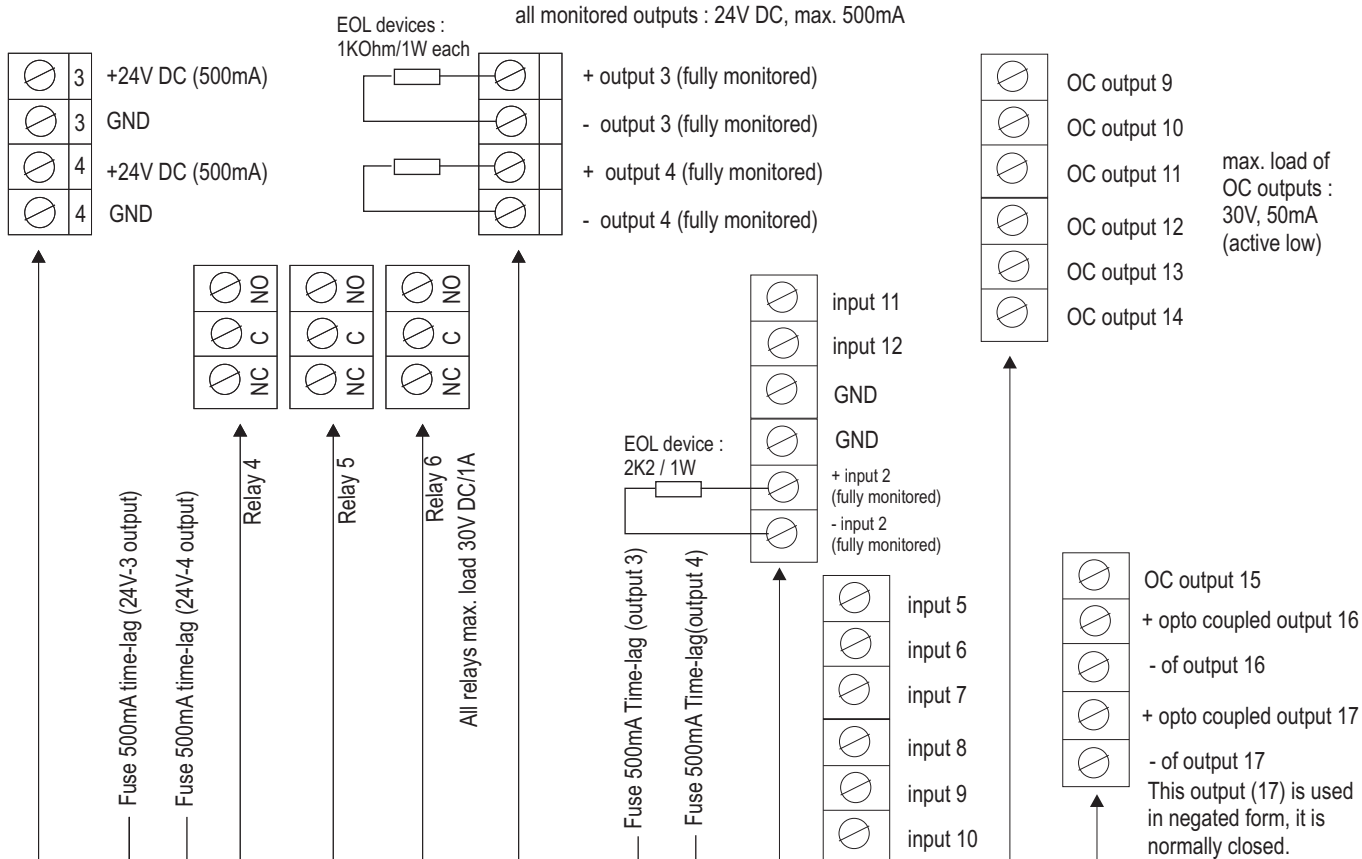
Note:
 In case of Loop wiring
 connect the shield only
 on one end.

Cable : we recommend JY-(ST)Y-2x2x0,8
 max. 3.000m
 (please use NSC Loop Calculator)

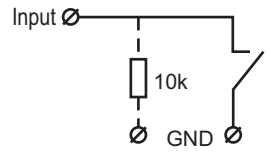
Connector to plug
 PCB in Main Board

Change	Name / Date	Wiring of Loop Module B01100-00	
			Name: RS
			Date: 2011/07/05
		Page: 3/8	

I/O Card B01110-00

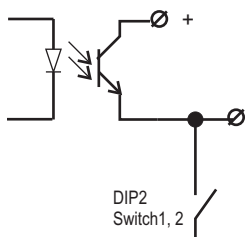


Schematic diagram of Inputs 5 - 12 :



8 Inputs (Switch) optional monitored for open circuit with EOL 10 KOhms


Schematic diagram of opto coupled outputs



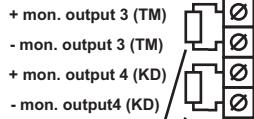
DIP1



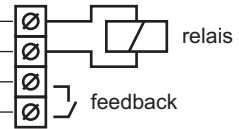
1: should stay off
2: should stay off

Change	Name / Date	Wiring of I/O card B01110-00	
			Name: RS
			Date: 2011/07/05
		Page: 4/8	

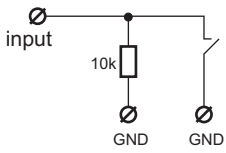
all monitored outputs
24V DC, max. 500mA



Transmitter (TM)

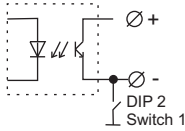


schematic diagram
of inputs 5 - 12:



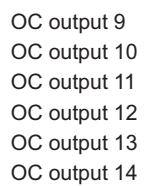
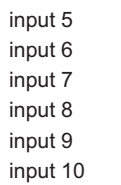
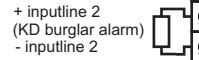
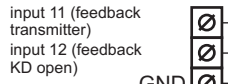
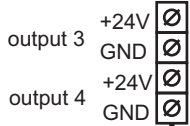
8 inputs (switch)
optional monitored for
open circuit with EOL
10KOhms

schematic diagram of
opto coupled
outputs 16 and 17

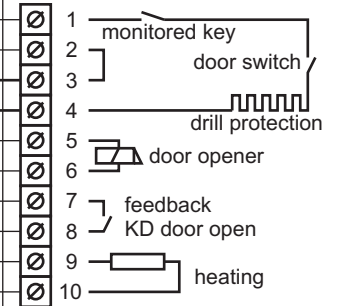


DIP 2
Switch 1 or 2

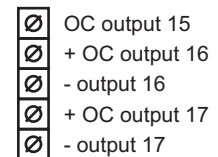
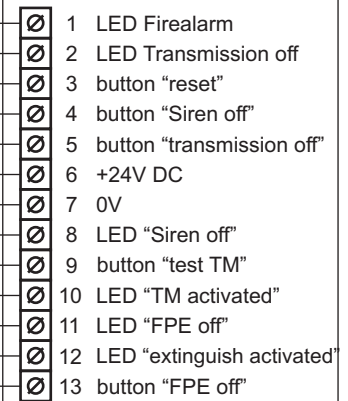
max. 500mA each



Key deposite (KD)

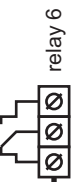
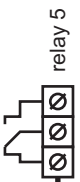
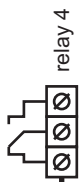


FBOP 006 921



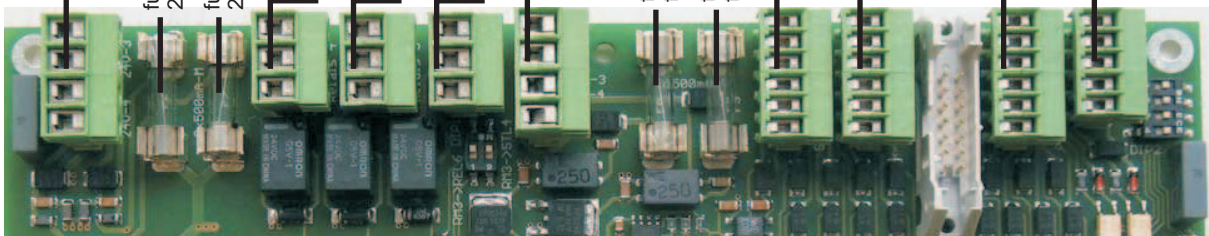
fuse 500mA timelag
24V output 3


fuse 500mA timelag
24V output 4



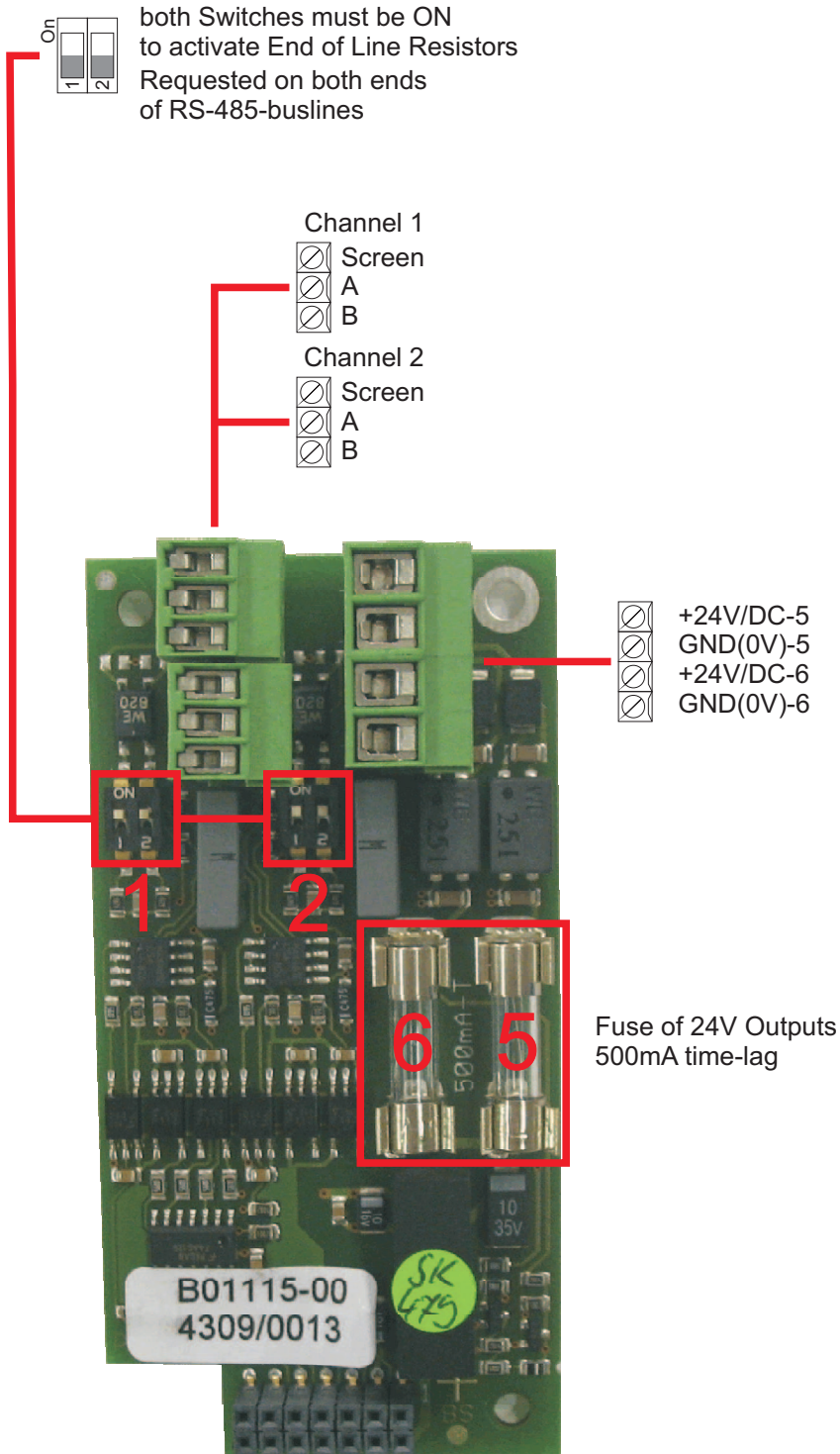
fuse 500mA timelag
for output line 3

fuse 500mA timelag
for output line 4



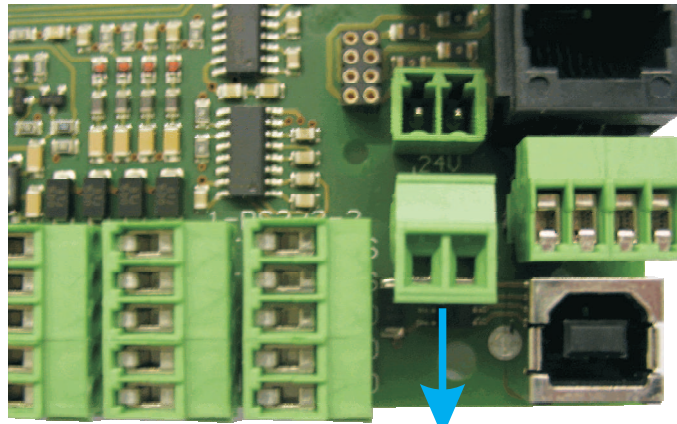
Change	Name / Date	Wiring of I/O Card - Part II B01110-00	
			Name: RS
			Date: 2011/07/06
		Page: 5/8	

RS-485-Extension B01115-00

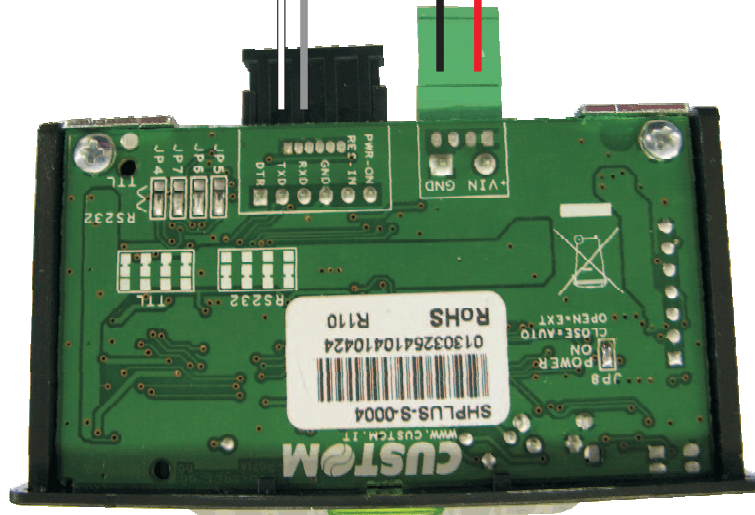
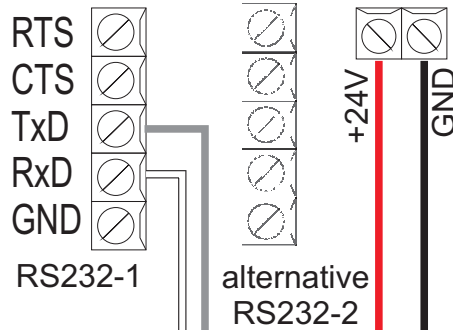


Change	Name / Date	Solution F2 RS-485 Extension, Part no. B01115-00	
			Name: US Date: 2009/11/26
		Sicherheitstechnik GmbH Page: 6/8	


Printer B01230-00 connection to Solution F2



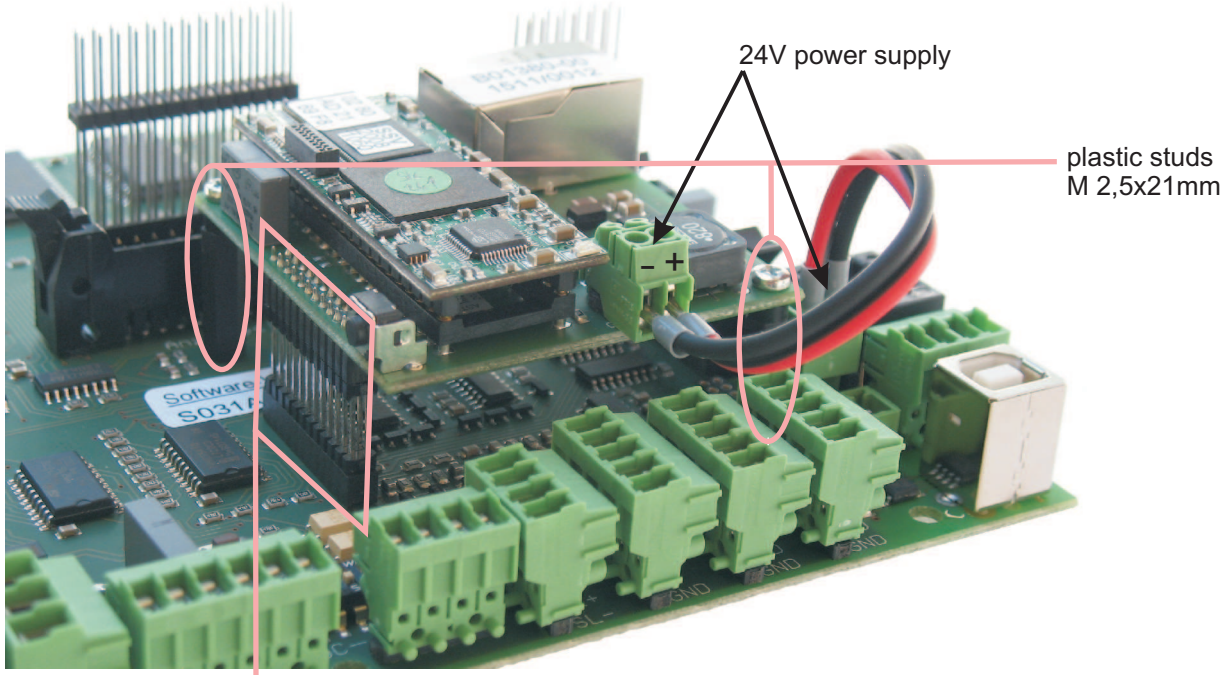
Solution F2 mainboard



Printer B01230-00, BOTTOM view

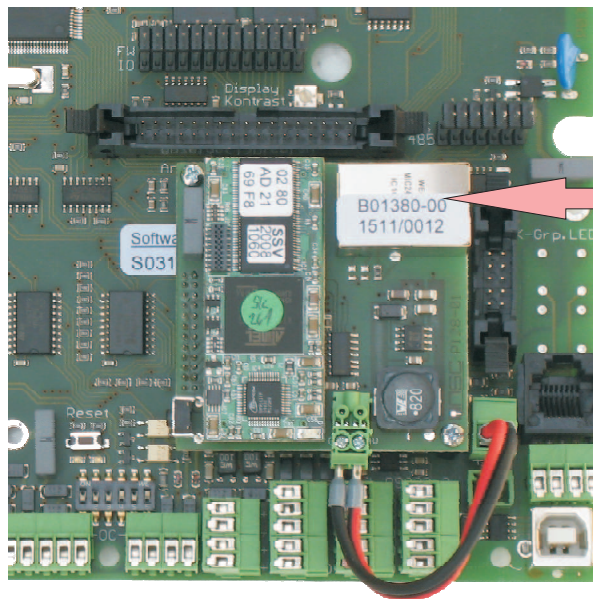
Change	Name / Date	Printer B01230-00 connection to Solution F2	
			Name: US
			Date: 2011/02/02
		Page: 7/8	

Webserver B01380-00 connection to Solution F2



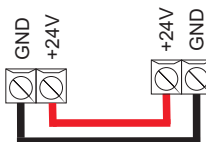
connector 24pins

webserver B013800-00,
as seen from
above



connection to network RJ45

Configuration UART1:
- baudrate 115200
- protocol PC



The installation of the
webserver-modul is possible
only in B-housing.

Change	Name / Date	Webserver B01380-00 in Solution F2	
			Name: RS Date: 2011/07/05
		Sicherheitstechnik GmbH Page: 8/8	