ARITECH

Description

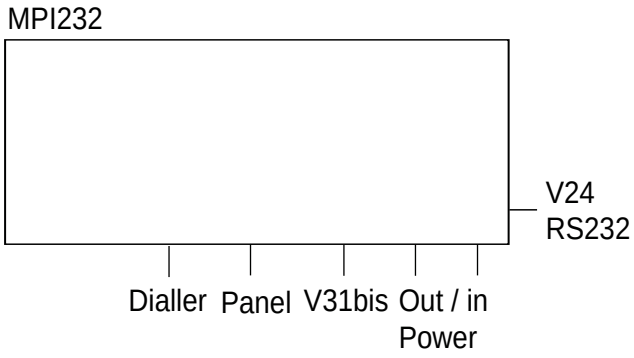
MPI232S12

Interface module.

MPI232

MPI232

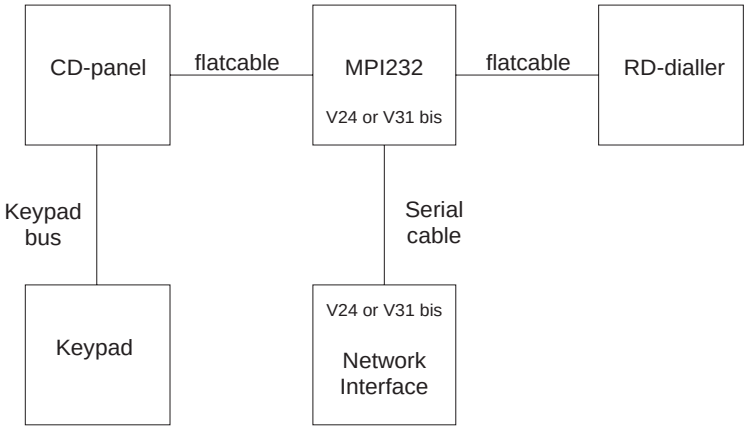
Functional description:



The MPI232-interface is intended to create an I/O port for sending alarm messages with a network interface (modem, PAD etc.). This interface, AT-HAYES compatible, is connected to the RS232 / V24 port or the Current loop/V31 bis port.

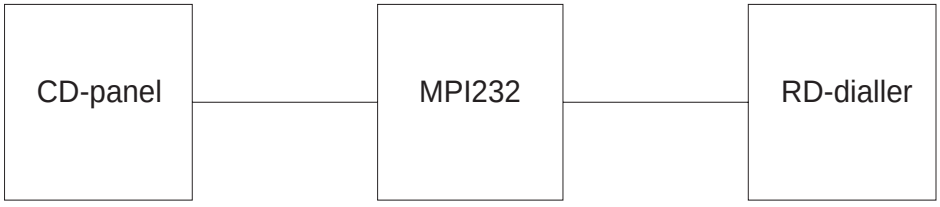
The MPI232 is connected between the CD-panel and the RD-dialler.

Total over view CD-panel, MPI232, Network Interface and RD-dialler:



The V31bis is a optical separated current loop. This loop provides a supervised simplex connection between the MPI and the network interface (Break of current loop).
The V31bis connection to the MPI232 can be made via the Com- and Com+ ports of connector BU1 (screw connection).

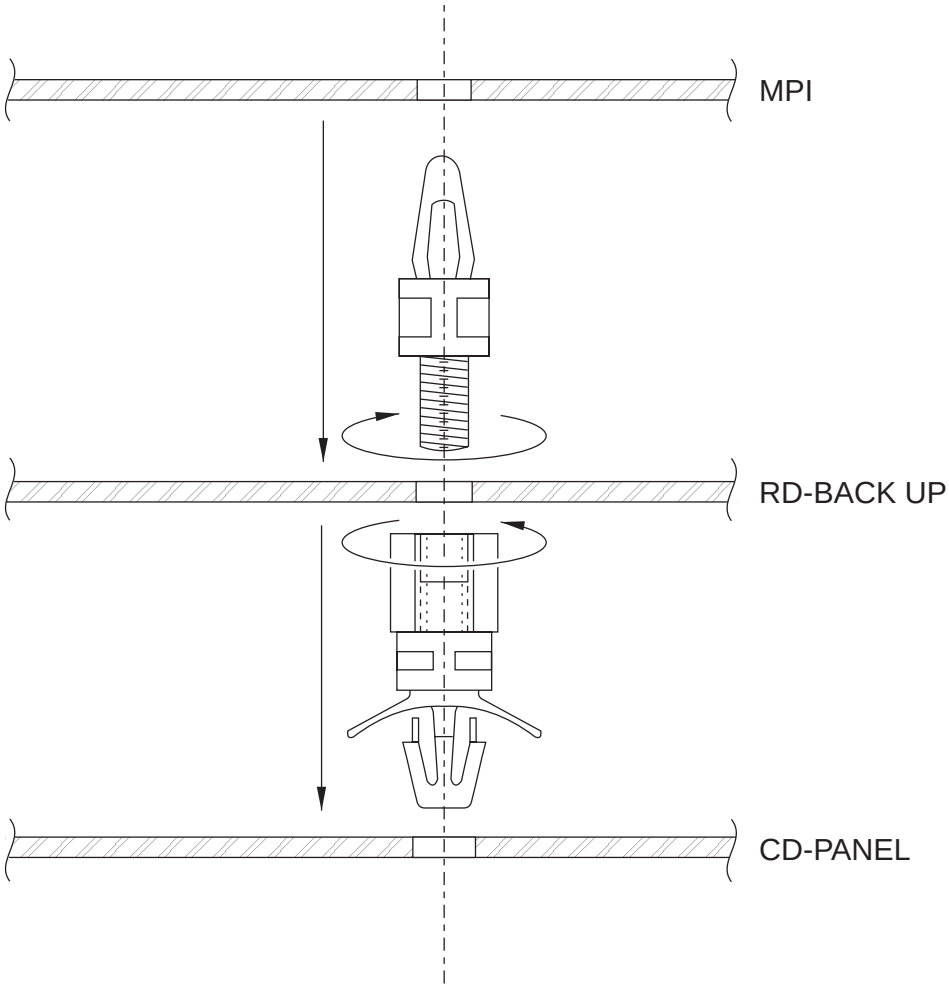
Communication between CD-panel, MPI232 and RD-dialler:



For direct panel to dialler communication, the MPI is transparent. During normal operation all messages, except Sia alarm messages, are passed to the backup dialler. The Sia messages will be transmitted via the Network Interface connected to the MPI232. In case of a network trouble condition the Sia events are transmitted through the dialler. Events which are not programmed for a network address in the MPI, and events the MPI doesn't recognise, will also be sent to the dialler.

The MPI232 allows remote programming (upload/download) using the network connection.

Mounting MPI232 + RD62 dialler into CD92 control panel.



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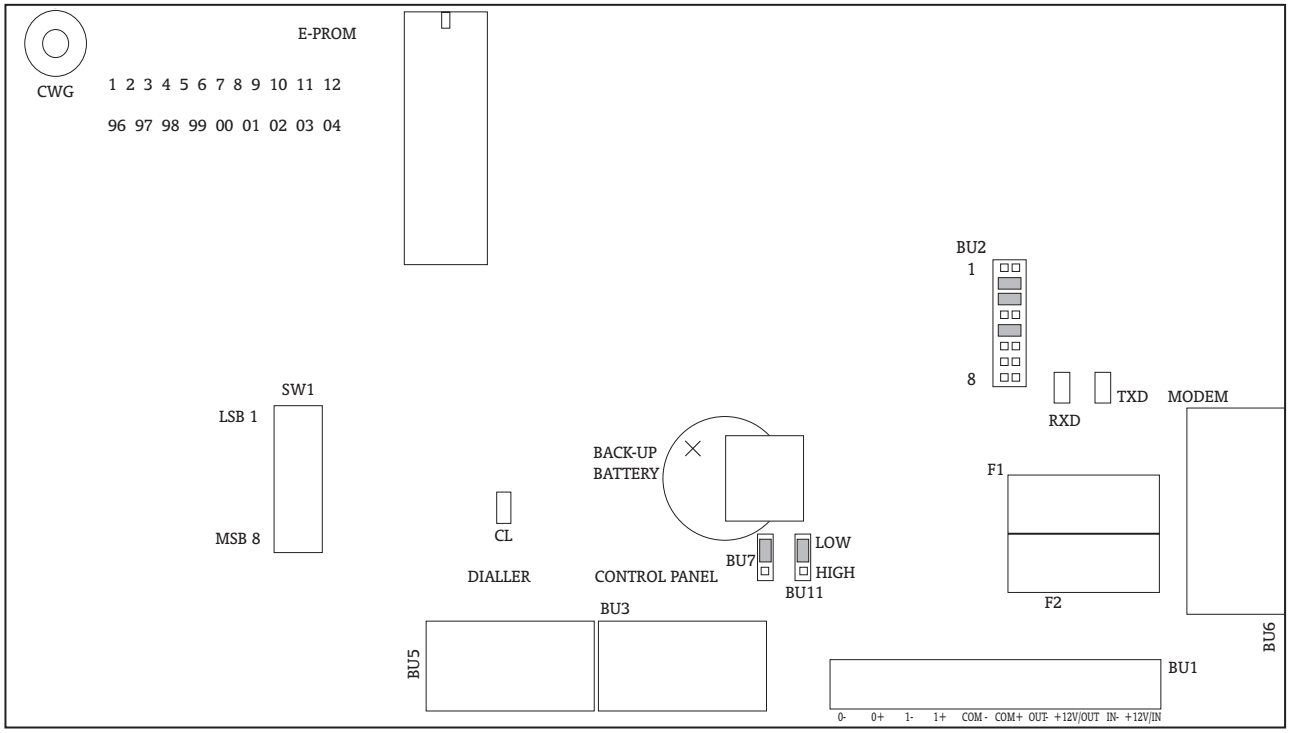
Connection data MPI



DIP-Switches (SW1):

1: MPI / RD programming via CD9006 memory card and Dialer menu (keypad) selection.
   ON: RD62 reading/programming when using memory card.
   OFF: MPI232 reading/programming when using memory card.

2: Defaults programming at start-up of the MPI
   ON: normal operation
   OFF: return to the default at power-up

3: MPI Programming via PC at power-up (via V24/RS232 port)
   ON: normal operation
   OFF: PC programming at power-up

4. Start up-download by keypad via MPI or via RD-dialler
   ON: up-download via MPI (if started from panel/keypad)
   OFF: up-download via RD-dialler (if started from panel/ keypad)

5. Enable no-dial-back mode of the MPI
   ON: normal operation (MPI drops line, and dials back to TPC)
   OFF: MPI stays online with TPC if the received CLID is valid

6. Start up-download with PC direct connected to the MPI232
   ON: normal operation
   OFF: perform up-download with PC direct connected to the MPI232

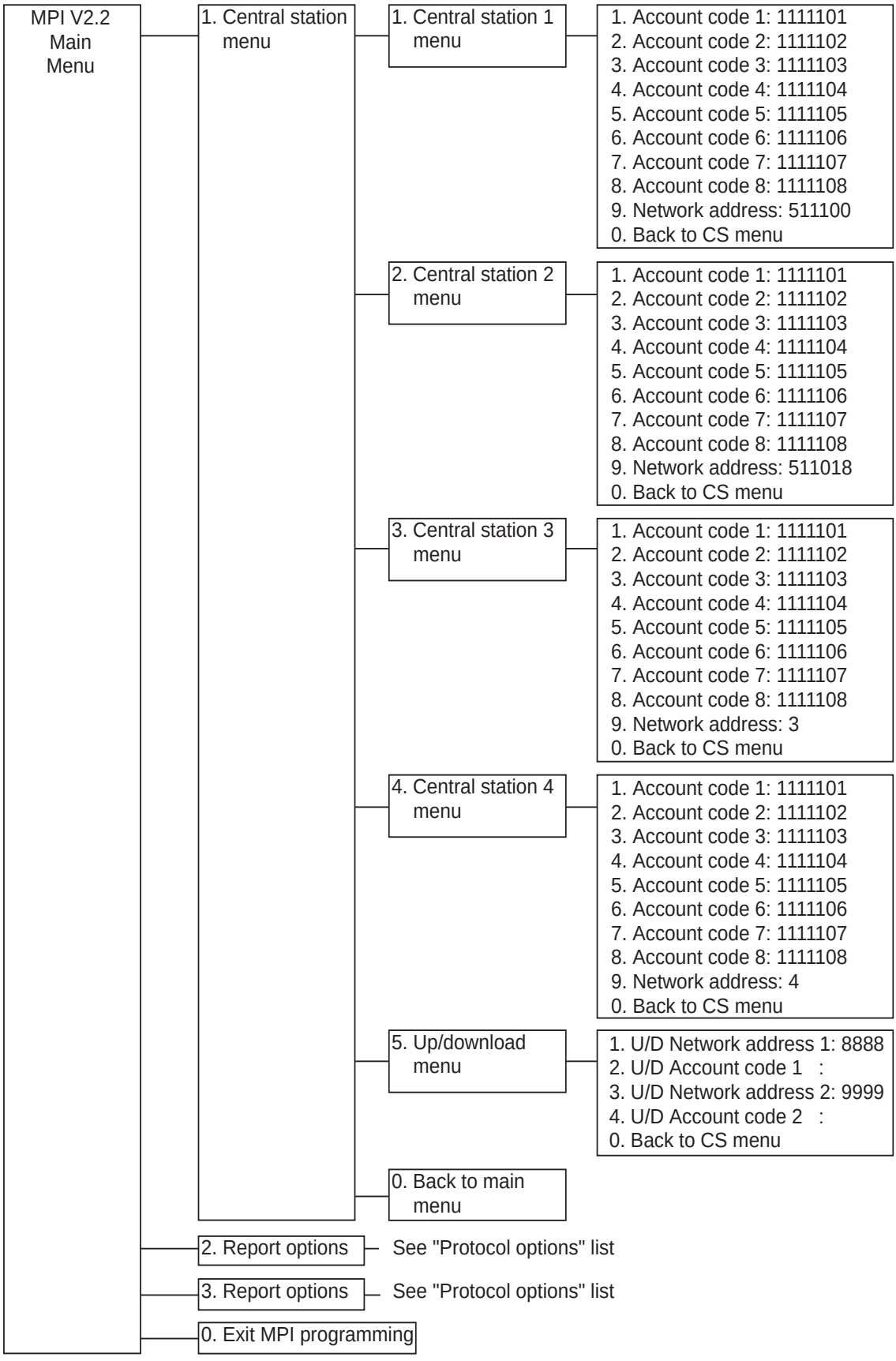
7. Reserved for future use

8. Enter testmode at power-up (the text "QE-mode" will be sent to the RS232 port @ 9600 baud)
   ON: normal operation
   OFF: enter testmode at power-up (the MPI will also return to its factory default settings)

Default DIP-settings (SW1):

Number:	Setting:
1	on
2	on
3	on
4	on
5	on
6	on
7	on
8	on

MPI232 V2.2
Programming Map



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Report options list:

Report Opts.		Network Addr Reported to	Delay/ No delay
1.	BB:	1, -, -, -,	-
2.	BU:	1, -, -, -,	-
3.	BA:	-, 2, -, -,	-
4.	BR:	-, 2, -, -,	-
5.	TB:	1, -, -, -,	-
6.	TU:	1, -, -, -,	-
7.	TA:	1, -, -, -,	-
8.	TR:	1, -, -, -,	-
1.	PA:	-, 2, -, -,	-
2.	PR:	-, 2, -, -,	-
3.	HA:	1, -, -, -,	-
4.	HR:	1, -, -, -,	-
5.	FB:	1, -, -, -,	-
6.	FU:	1, -, -, -,	-
7.	FA:	-, 2, -, -,	-
8.	FR:	-, 2, -, -,	-
1.	ZA:	1, -, -, -,	-
2.	ZR:	1, -, -, -,	-
3.	MA:	1, -, -, -,	-
4.	MR:	1, -, -, -,	-
5.	CF:	1, -, -, -,	-
6.	CG:	1, -, -, -,	-
7.	BC:	1, -, -, -,	-
8.	CE:	1, -, -, -,	-
1.	OA:	1, -, -, -,	-
2.	OP:	1, -, -, -,	-
3.	CL:	1, -, -, -,	-
4.	CP:	1, -, -, -,	-
5.	OK:	1, -, -, -,	-
6.	LB:	1, -, -, -,	-
7.	OR:	1, -, -, -,	-
8.	OT:	1, -, -, -,	-
1.	RS:	1, -, -, -,	-
2.	RU:	1, -, -, -,	-
3.	LS:	1, -, -, -,	-
4.	RB:	1, -, -, -,	-
5.	AR:	1, -, -, -,	-
6.	AT:	1, -, -, -,	-
7.	RP:	1, -, -, -,	-
8.	RR:	1, -, -, -,	-
1.	YC:	1, -, -, -,	-
2.	YS:	1, -, -, -,	-
3.	YR:	1, -, -, -,	-
4.	YT:	1, -, -, -,	-
5.	ER:	1, -, -, -,	-
6.	ET:	1, -, -, -,	-
7.	EE:	1, -, -, -,	-
8.	JS:	1, -, -, -,	-
1.	WP:	1, -, -, -,	-
2.	WF:	1, -, -, -,	-
3.	BV:	1, 2, -, -,	-
4.	BW:	1, 2, -, -,	-

Protocol options list:

1.	Modem init string	: AT&KO&DE1V1Q0S0=0S7=10
2.	Modem dial string	: ATD
3.	Modem hangup string	: ATH
4.	Modem connect string	:
5.	CLID string 1	: 00001
6.	CLID string 2	: 00001
7.	Baudrate RS-232 port	: 9600
8.	Baudrate V31bis port	: 9600
1.	One account per call	: No
2.	One event per block	: Yes
3.	Three digit event numbers	: No
4.	Text in SIA	: Yes
5.	PA auto-restore	: No
6.	Dual reporting	: No
7.	Auto Dial	: No
8.	PC calls	: Yes
9.	Protocol	: V24
1.	Wait for modem reply	: 005
2.	Wait for modem dial reply	: 010
3.	Wait for redial	: 015
4.	Max dial attempts/CS	: 240
5.	Max modem command attempts	: 003
6.	Event delay	: 020
7.	DCD timeout	: 255
1.	Testcall interval (0=none)	: 000
2.	Testcall resolution	: seconds
3.	Testcall delay	: 000
4.	Zero block poll time	: 000
5.	MPI engineer code	: 123456
6.	MPI program code	:

Aritech is an ISO 9001 certified manufacturer.

MPI232

CE