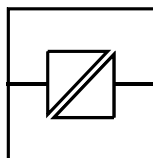
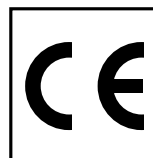


INSTALLATIONSANVISNING INSTALLATION MANUAL INSTALLATIONS ANLEITUNG

6052-2001



Galvanic
Isolation



CE
Approved



V.24 Isolator

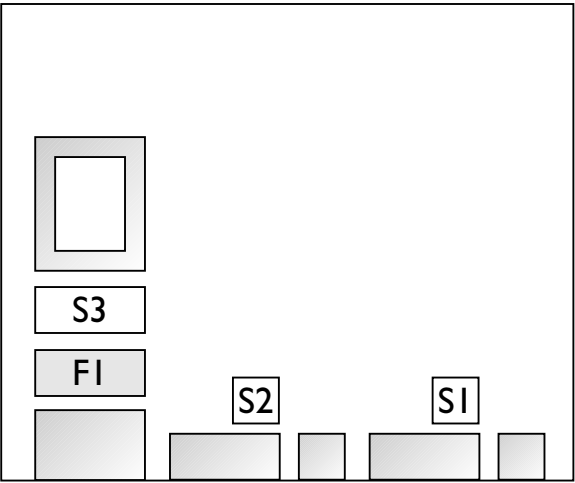
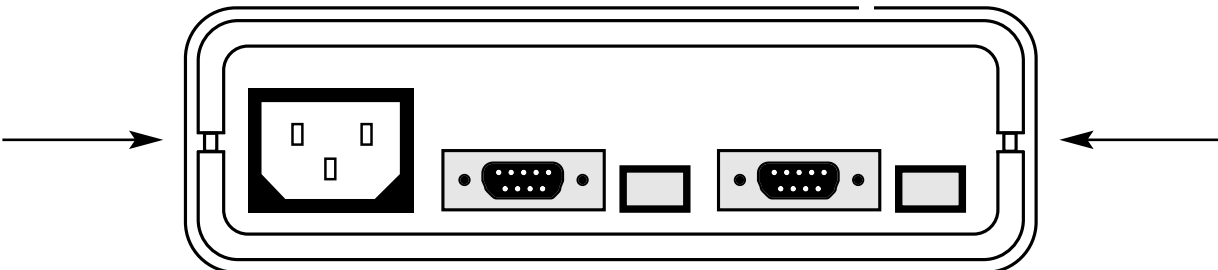
Specifications

Transmission	Asynchronous, full/half duplex or simplex
Interface A	EIA RS-232-C/CCITT V.24/V.28 9-pin D-sub male, DTE 8-pin Modular connector, RJ-45
Interface B	EIA RS-232-C/CCITT V.24/V.28 9-pin D-sub female, DCE 8-pin Modular connector, RJ-45
Transmission rate	Up to 19 200 bit/s
Indicators	Power, TD, RD
Isolation	Complete galvanic isolation with opto-coupler (data transmission) and transformer (supply)
Isolation voltage	1500 V rms
Overvoltage protection	Mains: Breakdown voltage 440V at 230V AC and 220V at 115V AC
Power supply	Switchable 115/230V +15% –10% 48-62Hz
Power cord	Removable 1.5 m
Power consumption	Max 3.5VA at 230V
Temperature range	5-50°C, ambiente temperature
Humidity	0-95% RH, non-condensing
Dimension	161x139x53 mm
Weight	0.5 kg
Mounting	With rubber pads or screws

Switch settings

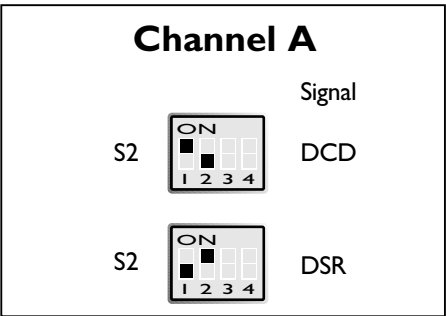
The MA-52 can through a number of different hardware configurations be adapted to a variety of running conditions. The hardware configuration is selected by setting the switches located on the circuit board. To set the switches, open the plastic case by placing and turning a screw-driver in the gap between top and bottom at the rear of the case.

CAUTION! DO NOT OPEN CONNECTED UNIT

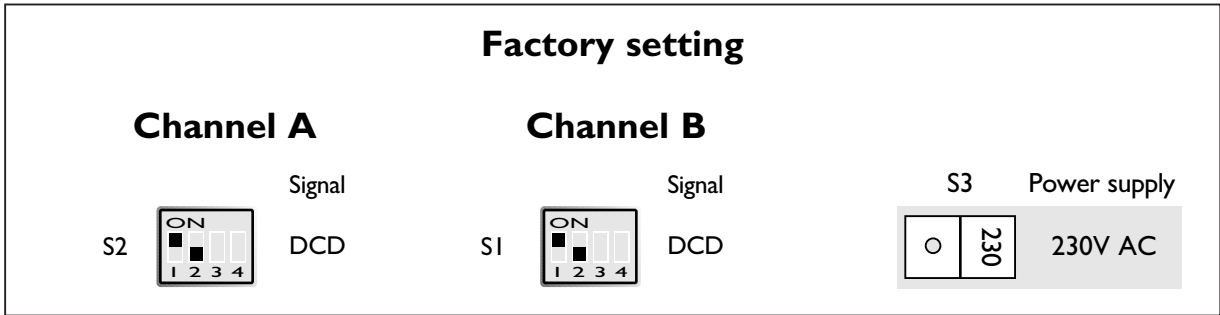
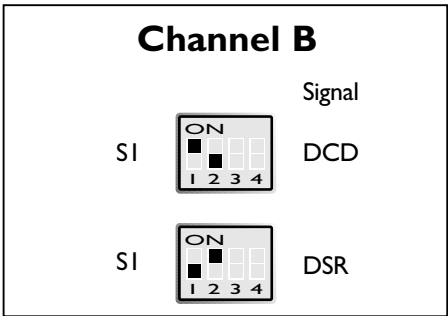


- S1 Selection of signal DCD/DSR channel B (RJ-45 pin 2)
- S2 Selection of signal DCD/DSR channel A (RJ-45 pin 2)
- S3 Selection of power supply
- FI Fuse 100 mA fast

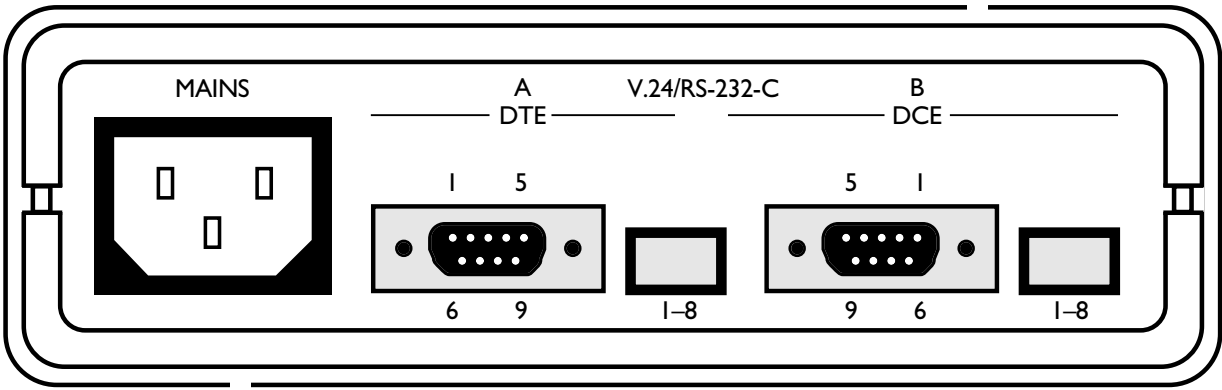
S3		Power supply
115	☐	115V DC
☐	230	230V AC



Switch 3 and 4 on S1/S2 is not used



Connections MA-52



Power supply (MAINS)

Connection	Description
L N PE	115/230V AC 48-62 Hz Protective earth

Terminal connection (RS-232-C/V.24, 9-pin D-sub/8-pin RJ-45)

Direction DTE DCE	Connection 9-pin D-sub	Connection 8-pin RJ-45	CCITT V.24 Circuit no.	Description
→	3	6	103	TD/Transmitted Data
←	2	5	104	RD/Received Data
→	7	8	105	RTS/ Request To Send
←	8	7	106	CTS/ Clear To Send
←	6	(2)*	107	DSR/ Data Set Ready
→	5	4	102	SG/Signal Ground
←	1	(2)*	109	DCD/Data Carrier Detect
→	4	3	108/2	DTR/Data Terminal Ready
←	9	1	125	RI/Ring Indicator

*(2) With the switch blocks S1/S2 can DCR or DCD be selected to be on pin 2.

Mounting

There are two different alternatives to mount the case. Either with rubber pads (enclosed) or with screws.

Rubber pads:

Remove the protective tape and attach the rubber pads in the four depressed marks on the bottom of the case. The rubber pads makes the case stand steadily on plane surface.

Screws:

Two screws of type M4 or similar dimension are needed to fix the case on the wall. Leave approximately 3 mm between screw-head and wall. Press out the two "key holes" on the bottom of the case and hang the case on the screws and pull downwards to fasten it.

Hints

If any problems occur on set up of the MA-52, the LED's will be helpful.

- PWR: The unit has power
- RD: Data received on line A (DTE) and data transmitted on line B (DCE)
- TD: Data transmitted on line A (DTE) and data received on line B (DCE)

OWN COMMENTS

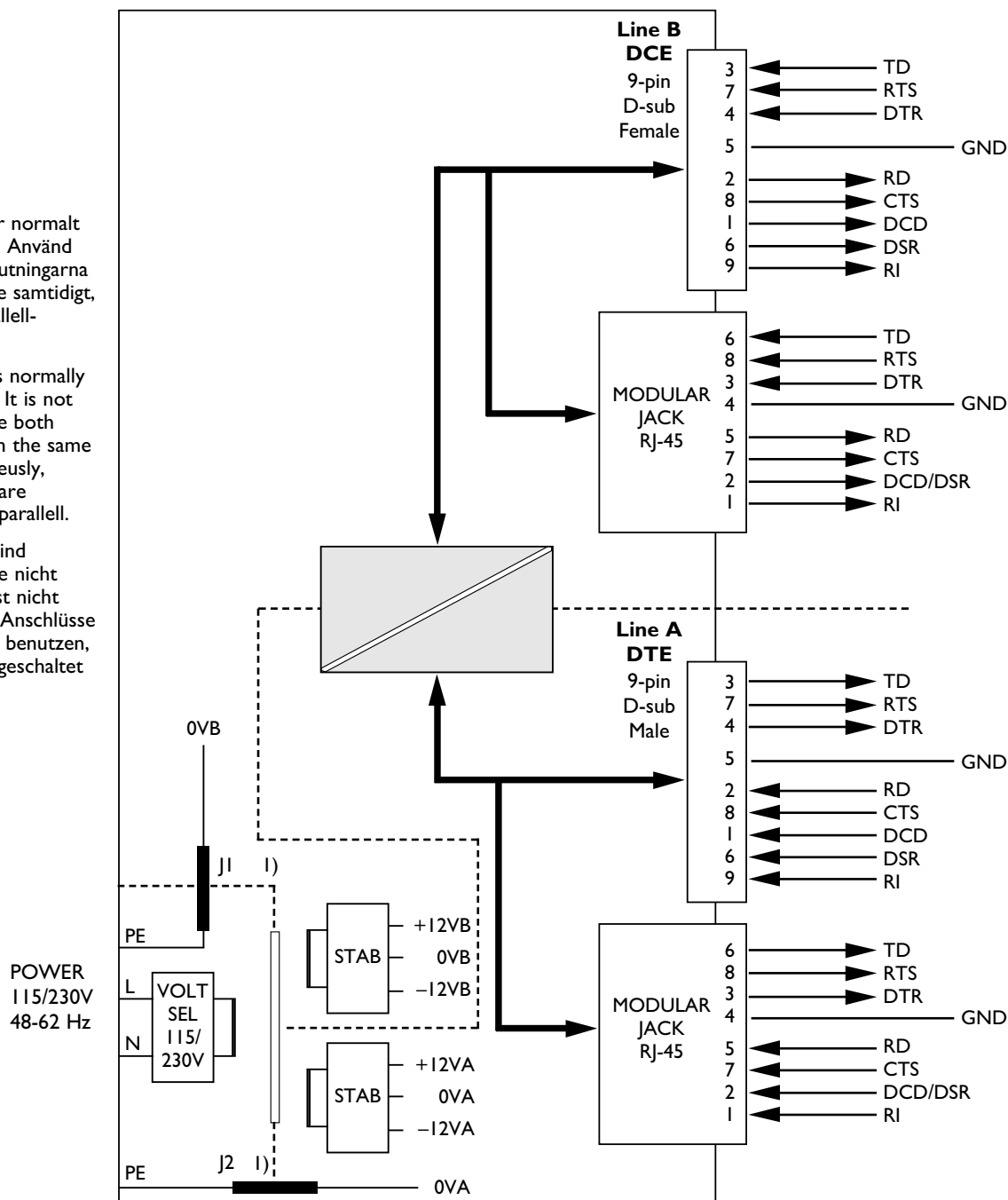
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Block diagram

I) J1 och J2 är normalt ej monterade. Använd inte båda anslutningarna på samma linje samtidigt, för de är parallellkopplade.

I) J1 and J2 is normally not mounted. It is not allowed to use both connectors on the same line simultaneously, because they are connected in parallel.

I) J1 und J2 sind normalerweise nicht bestückt. Es ist nicht erlaubt beide Anschlüsse gleichzeitig zu benutzen, da sie parallelschaltet sind.



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